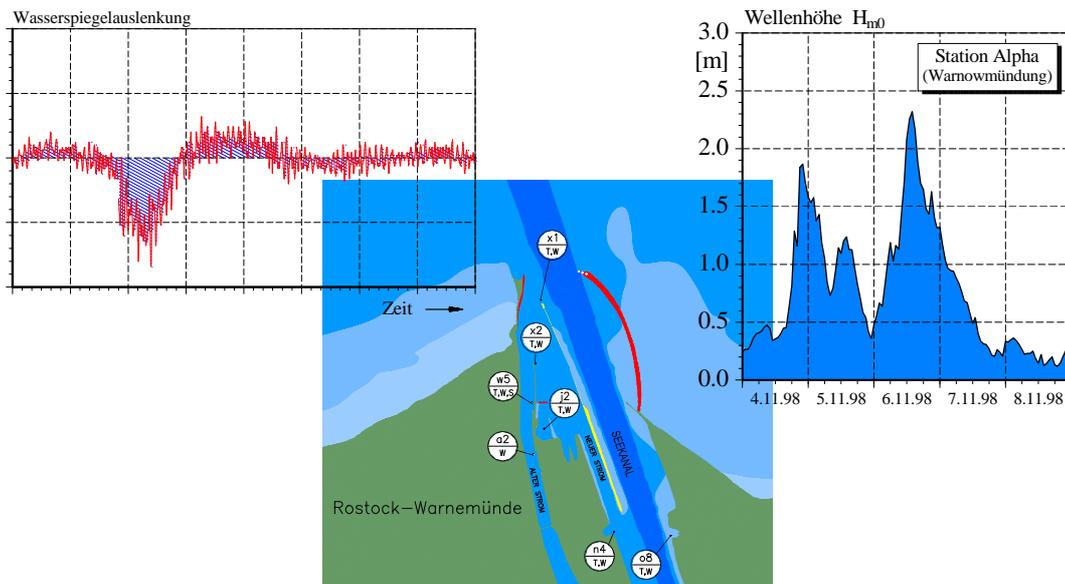


Ausbau der Zufahrt zum Seehafen Rostock

Durchführung und Auswertung der Beweissicherungsmessungen 1996, 1998/99 + 1999/2000

Bericht Nr. 126, Anlagenband Ia: Seegang Teil 1



April 2001

Auftraggeber:

Wasser- und Schifffahrtsamt
 Stralsund



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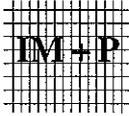
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Anlage 1:

Systemvergleiche

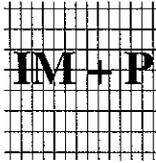
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Anlage 1.1: Ergebnisse der Seegangsmessungen
mit Wellendrähten und Druckmessdosen

Anlage 1.1.1: Messkampagne I (1996)

(1 Seite)

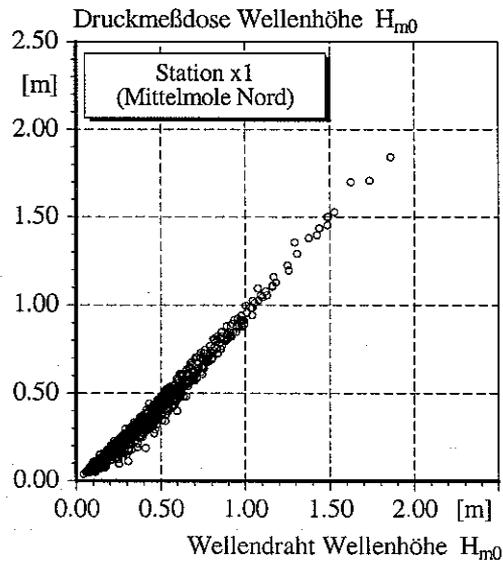


ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

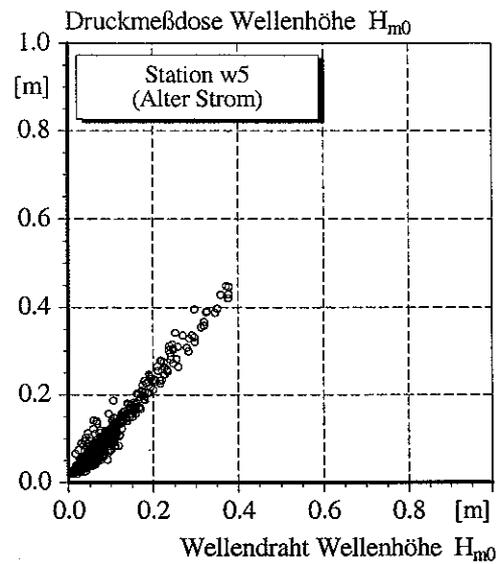
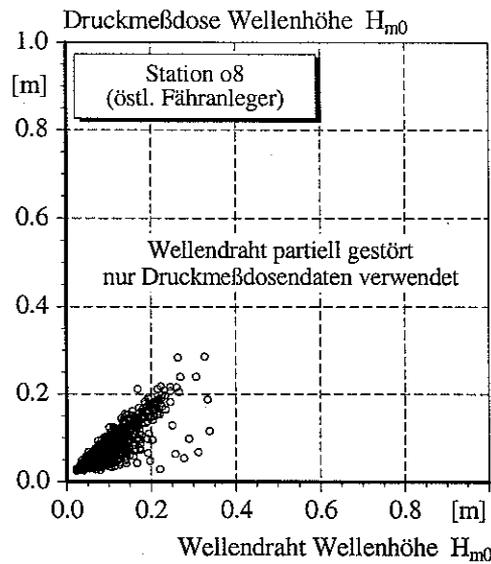
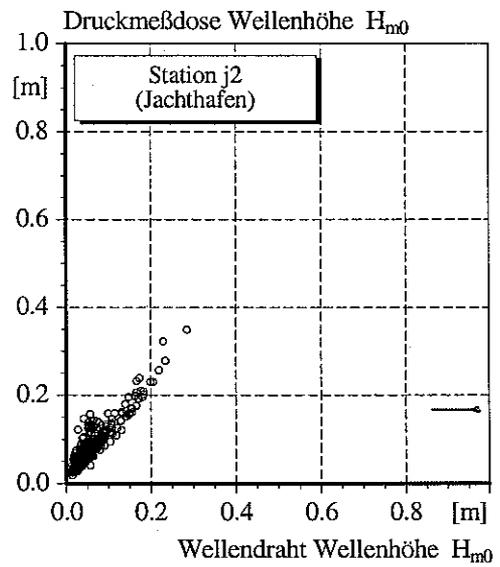
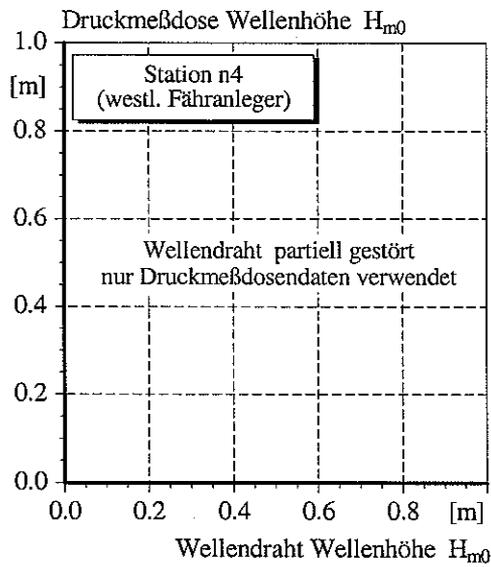
Wellenhöhe: H_{m0}

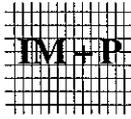
06. - 12. 1996



Vergleich der Meßergeb-
nisse für die eingesetzten
Gerätetypen:

**DRUCKMESSDOSE
WELLENDRAHT**

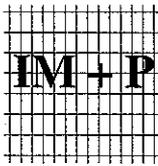




Anlage 1.1: Ergebnisse der Seegangsmessungen
mit Wellendrähten und Druckmessdosen

Anlage 1.1.2: Messkampagne II (1998/99)

(1 Seite)

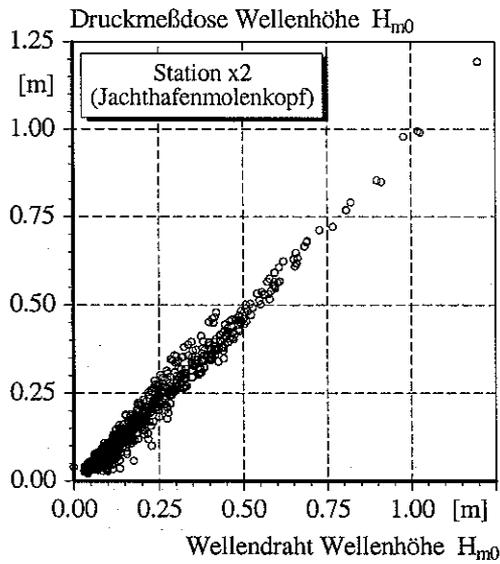


ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

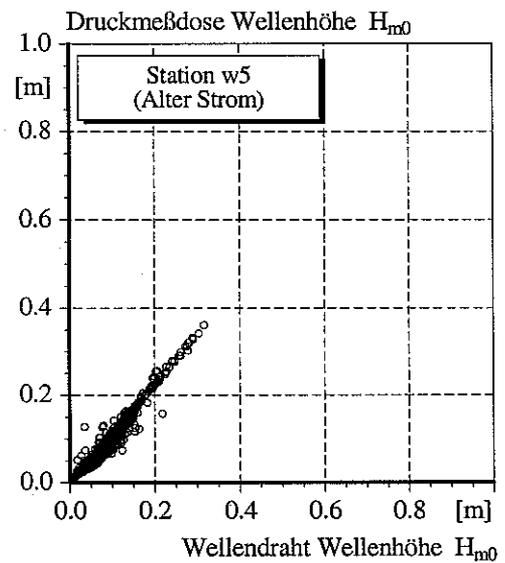
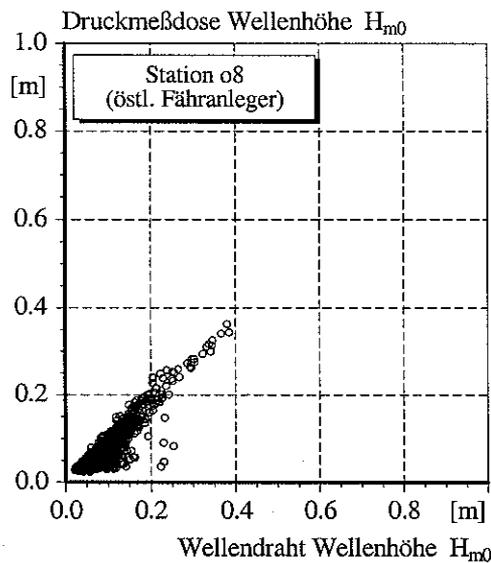
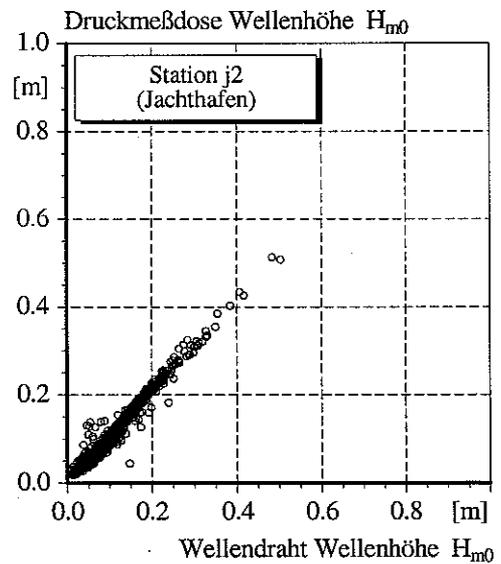
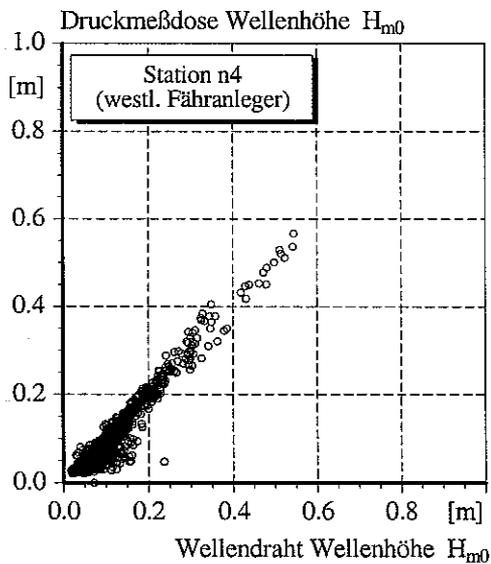
Wellenhöhe: H_{m0}

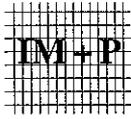
07. 1998 - 03. 1999



Vergleich der Meßergeb-
nisse für die eingesetzten
Gerätetypen:

DRUCKMESSDOSE
WELLENDRAHT





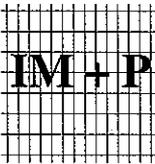
Ingenieurbüro Dr.-Ing. Manzenrieder und Partner GbR, Oldenburg

Ausbau d. Zufahrt z. Seehafen Rostock, Beweissicherung 1996, 1998/99 + 1999/2000

Anlage 1.1: Ergebnisse der Seegangsmessungen
mit Wellendrähten und Druckmessdosen

Anlage 1.1.3: Messkampagne III (1999/2000)

(1 Seite)

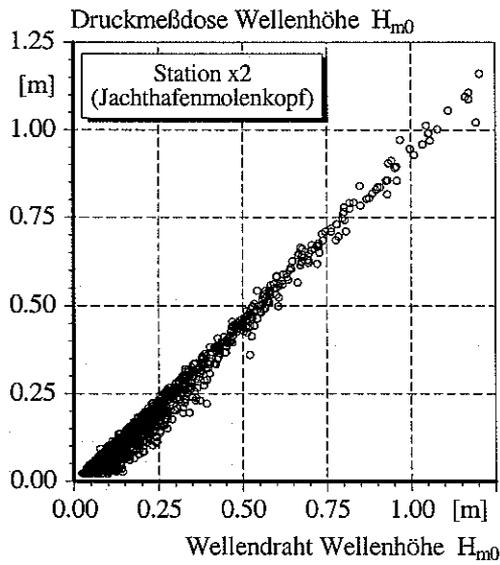


ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

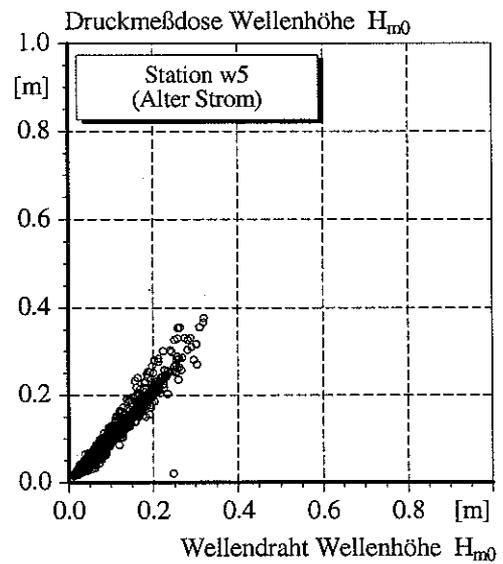
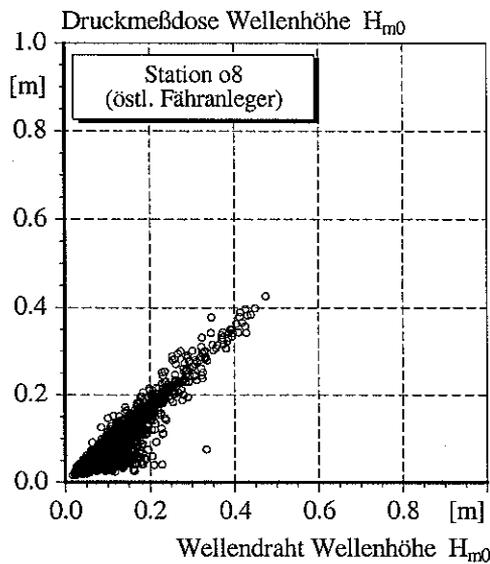
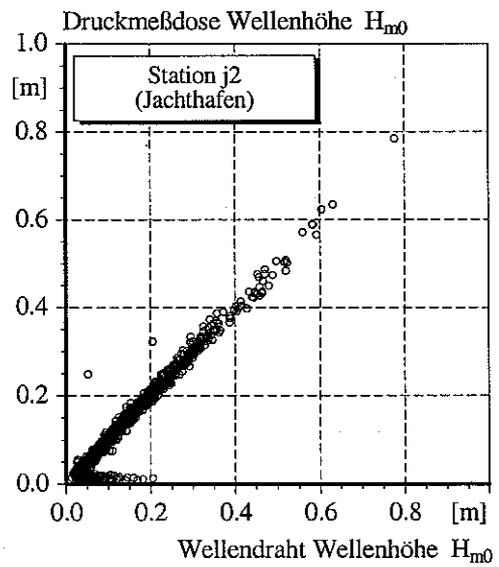
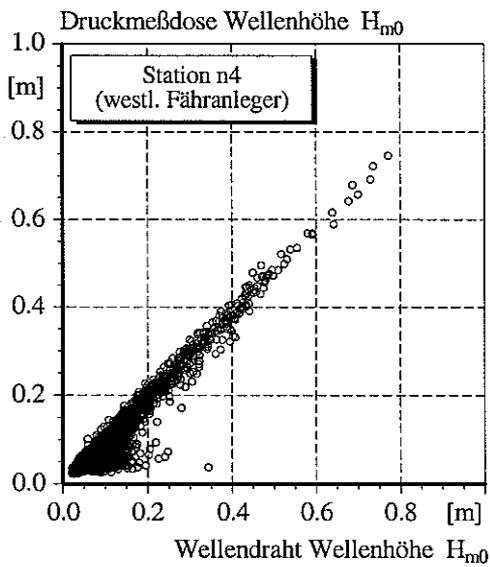
Wellenhöhe: H_{m0}

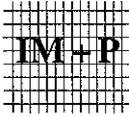
02. 1999 - 03. 1999 +
10. 1999 - 06. 2000



Vergleich der Meßergeb-
nisse für die eingesetzten
Gerätetypen:

**DRUCKMESSDOSE
WELLENDRAHT**

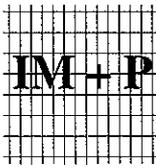




Anlage 1.2: Ergebnisse der Seegangsauswertung
im Zeit- und Frequenzbereich

Anlage 1.2.1: Messkampagne I (1996)

(1 Seite)

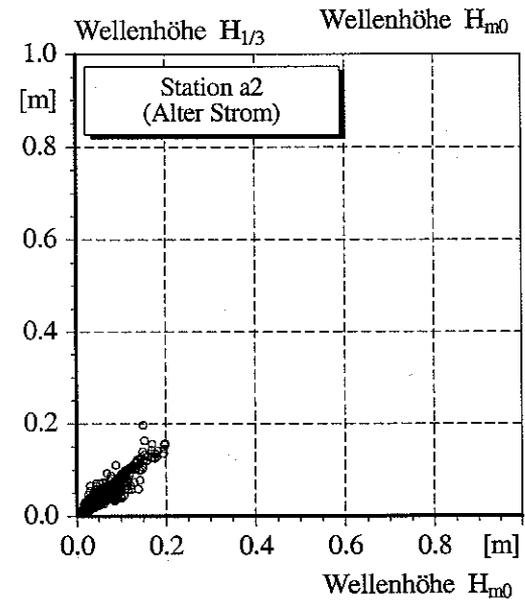
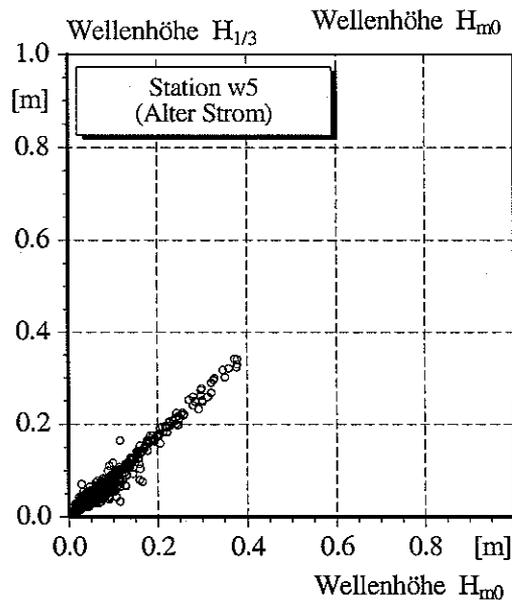
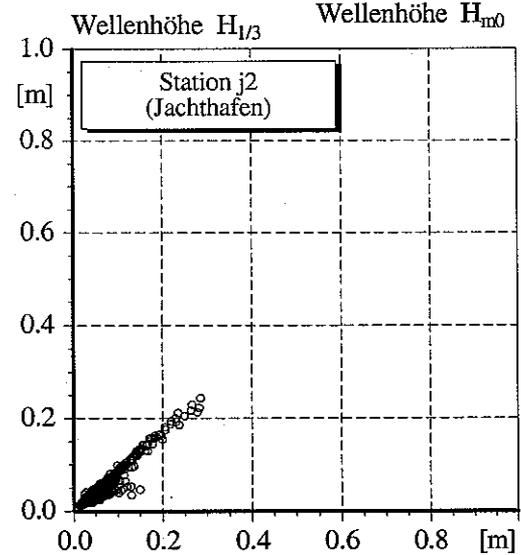
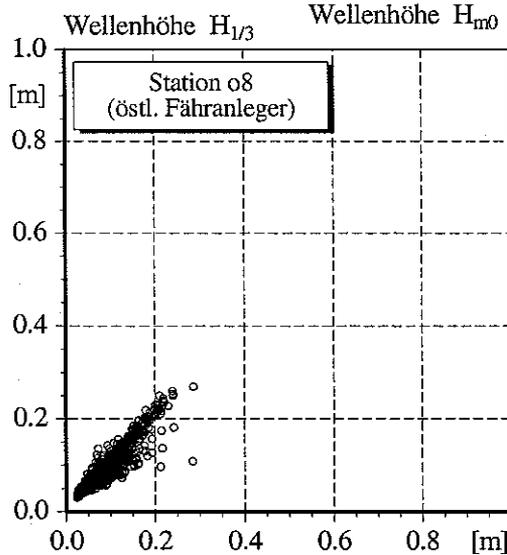
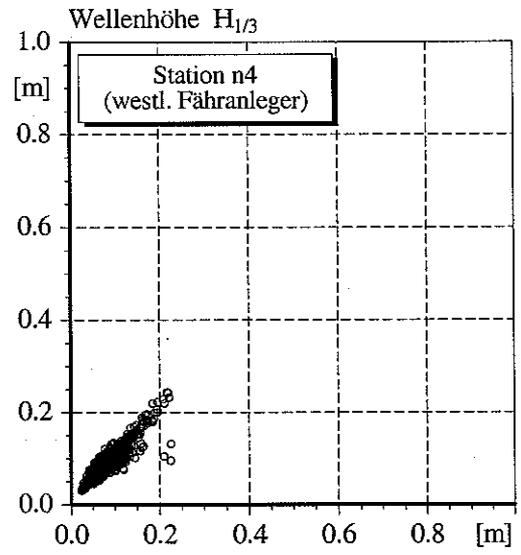
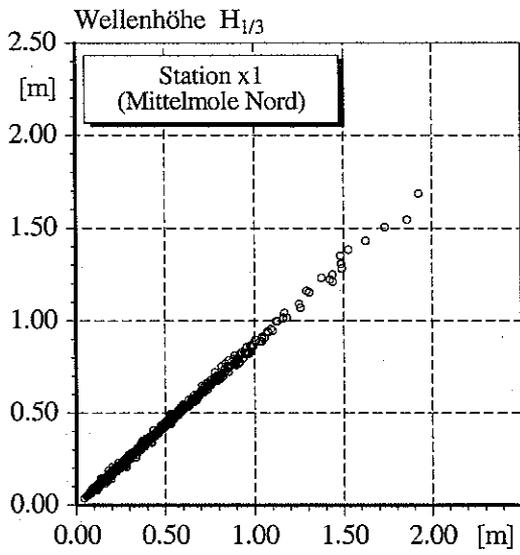


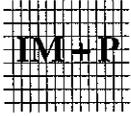
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Vergleich der Wellenhöhen: $H_{m0} / H_{1/3}$

06. - 12. 1996





Anlage 1.2: Ergebnisse der Seegangsauswertung
im Zeit- und Frequenzbereich

Anlage 1.2.2: Messkampagne II (1998/99)

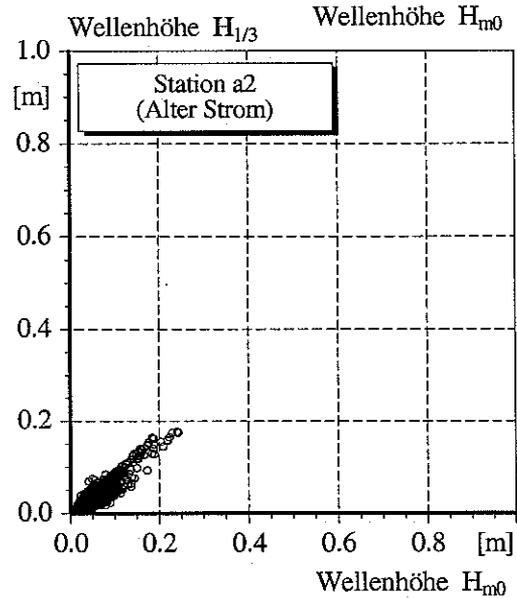
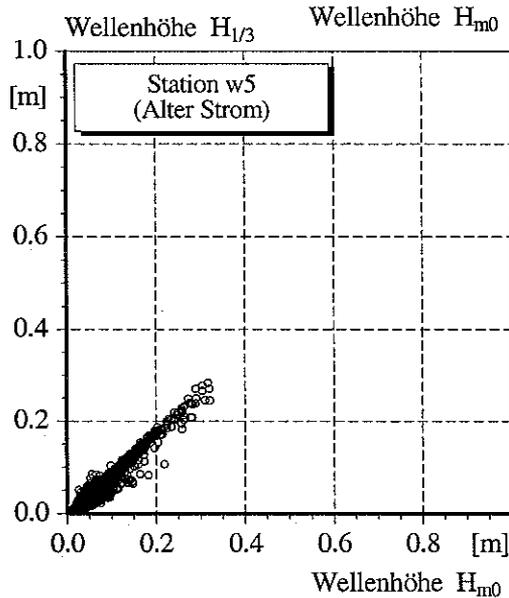
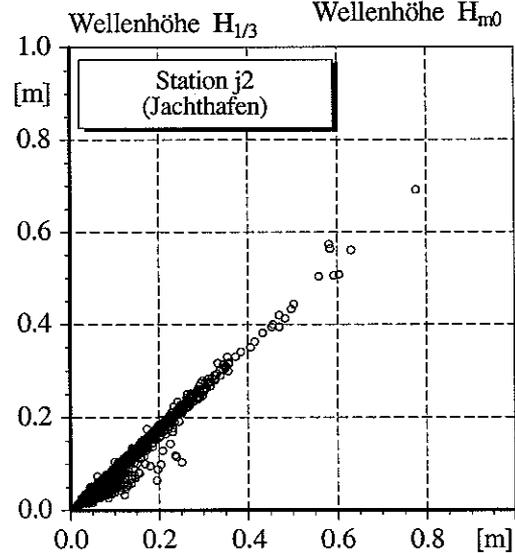
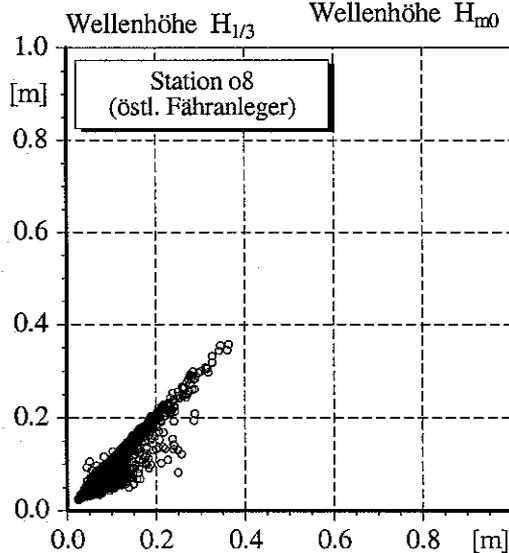
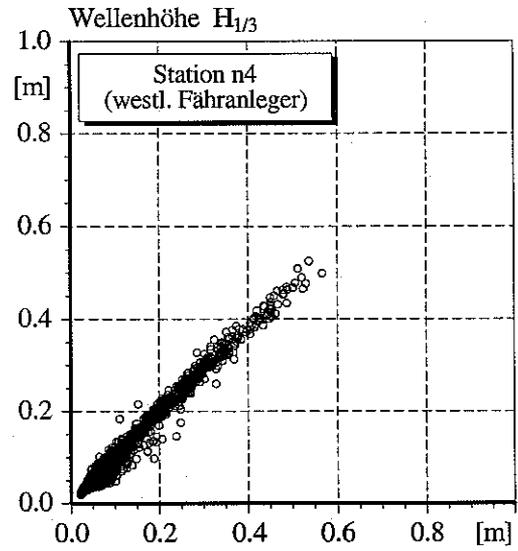
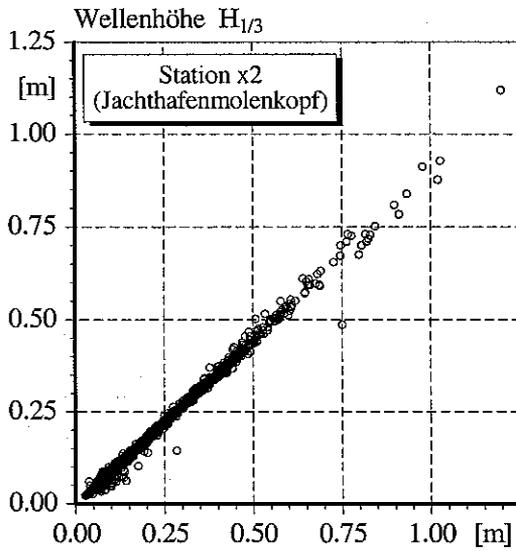
(1 Seite)

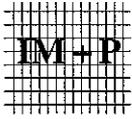


ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Vergleich der Wellenhöhen: $H_{m0} / H_{1/3}$ 07. 1998 - 03. 1999

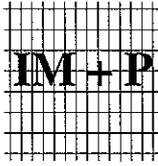




Anlage 1.2: Ergebnisse der Seegangsauswertung
im Zeit- und Frequenzbereich

Anlage 1.2.3: Messkampagne III (1999/2000)

(1 Seite)

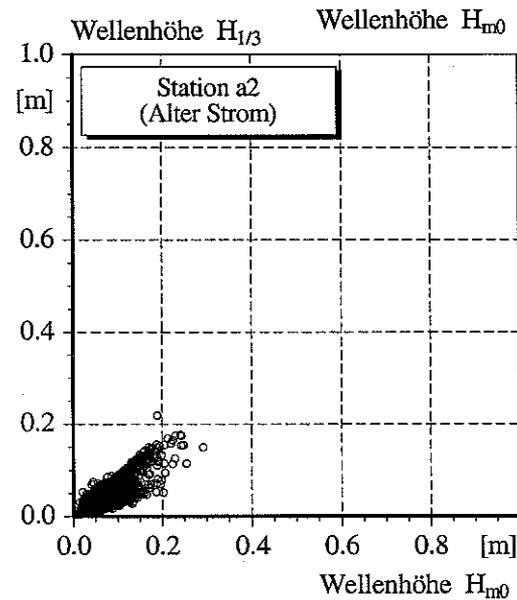
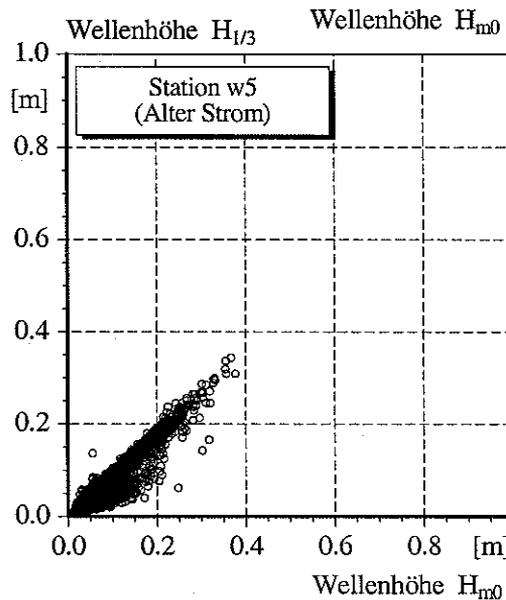
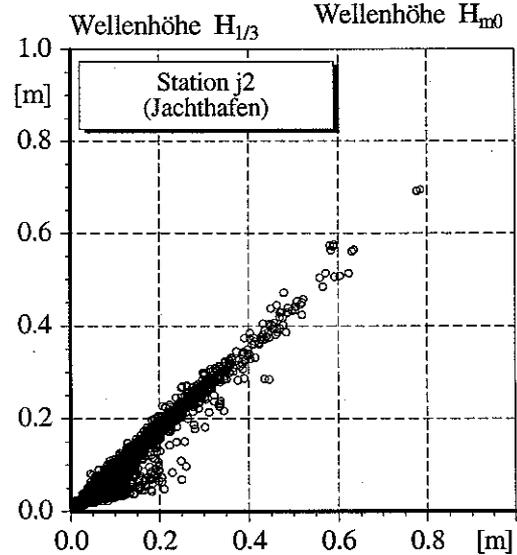
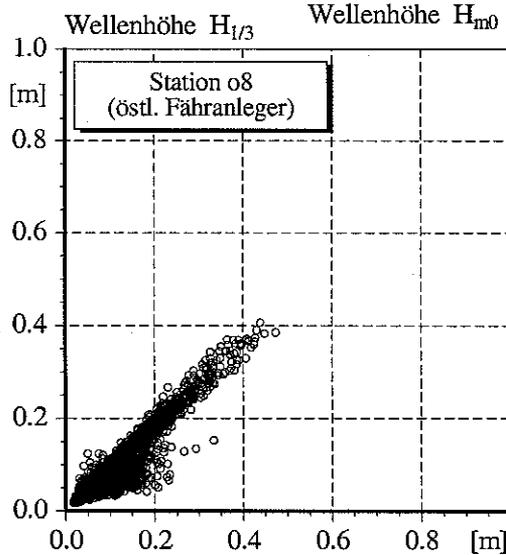
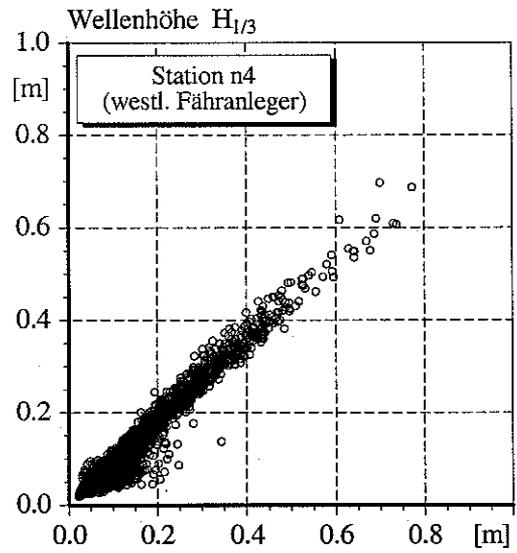
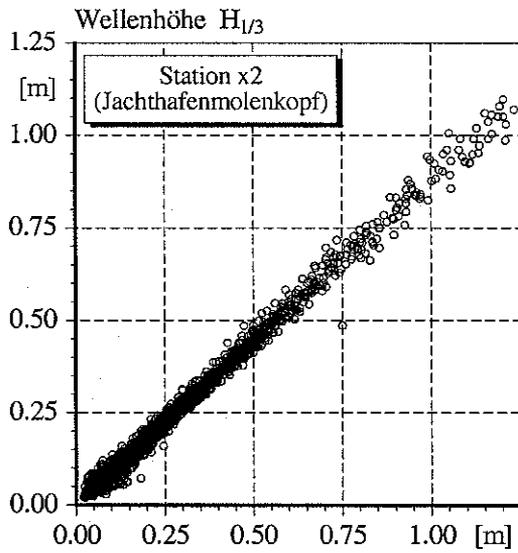


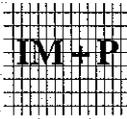
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Vergleich der Wellenhöhen: $H_{m0} / H_{1/3}$

02. 1999 - 03. 1999 +
10. 1999 - 06. 2000





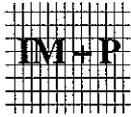
Anlage 2:

Dokumentation der Seegangs- und Windmessungen

Anlage 2.1: Messkampagne I (1996) (28 Seiten)

Anlage 2.2: Messkampagne II (1998/99) (40 Seiten)

Anlage 2.3: Messkampagne III (1999/2000) (44 Seiten)

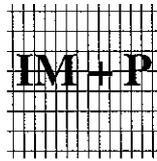


Ingenieurbüro Dr.-Ing. Manzenrieder und Partner GbR, Oldenburg

Ausbau d. Zufahrt z. Seehafen Rostock, Beweissicherung 1996, 1998/99 + 1999/2000

Anlage 2.1: Messkampagne I (1996)

(28 Seiten)

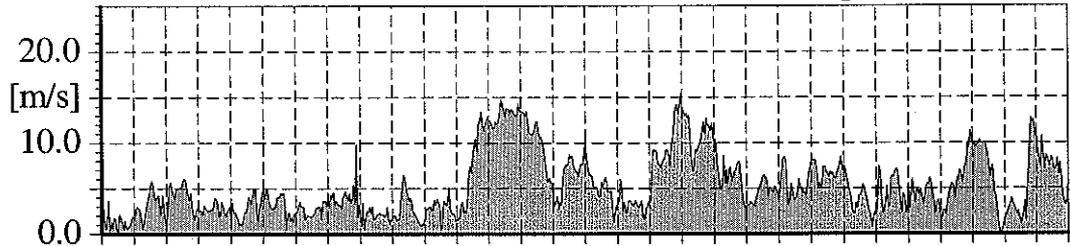


ZUFAHRT ZUM SEEHAFEN ROSTOCK

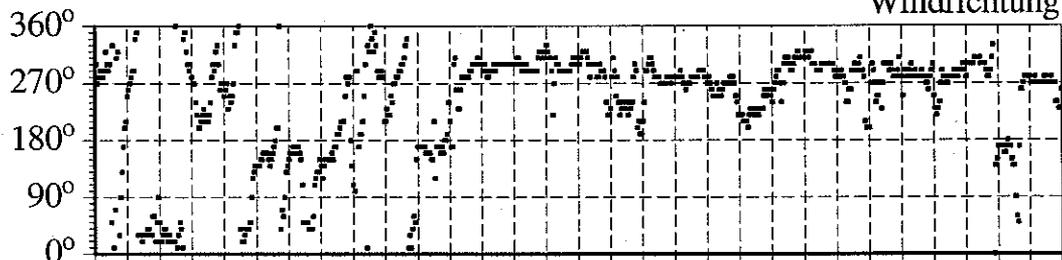
- Beweissicherung: Hydrologische Hauptwerte -

Wind - Seegang - Wasserstand 01. - 30. 06. 1996

Windgeschwindigkeit

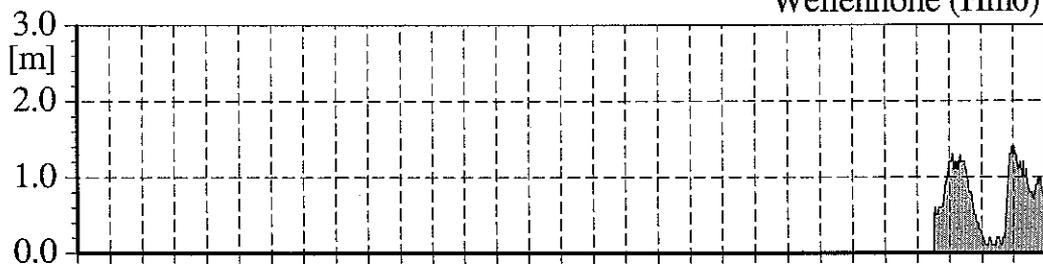


Windrichtung

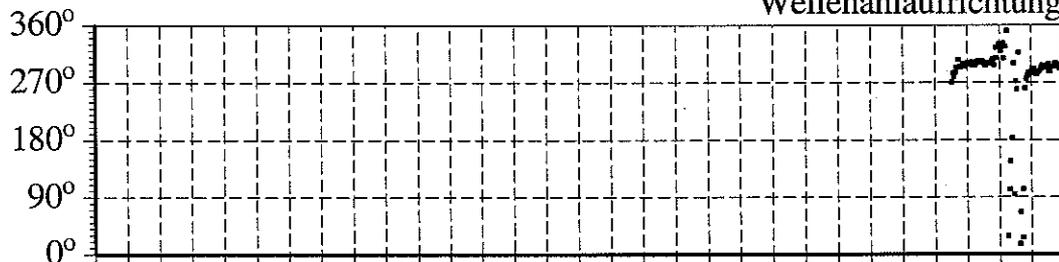


Station: DWD Warnemünde

Wellenhöhe (Hm0)

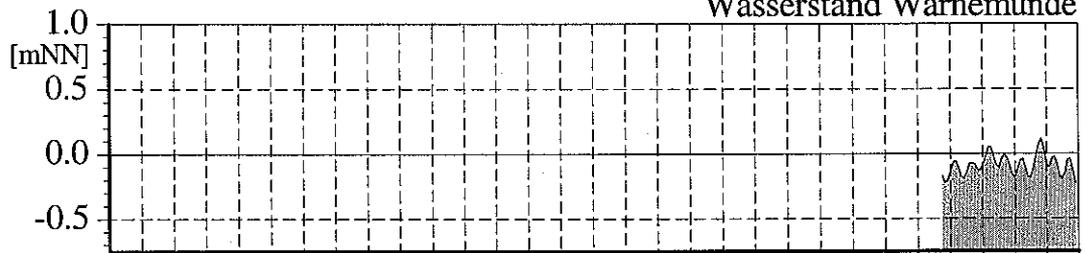


Wellenanlaufrichtung

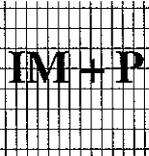


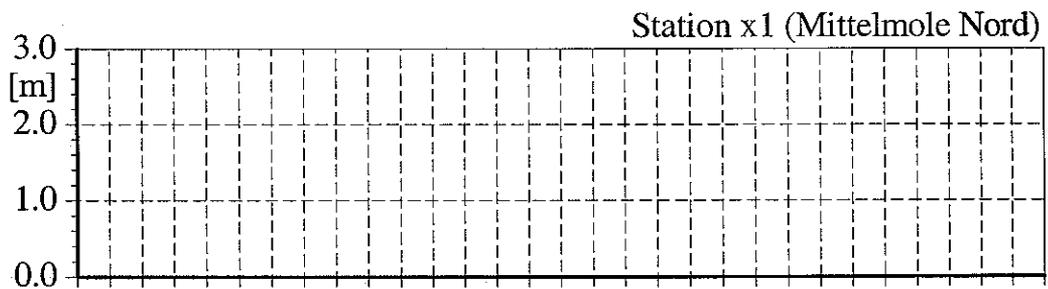
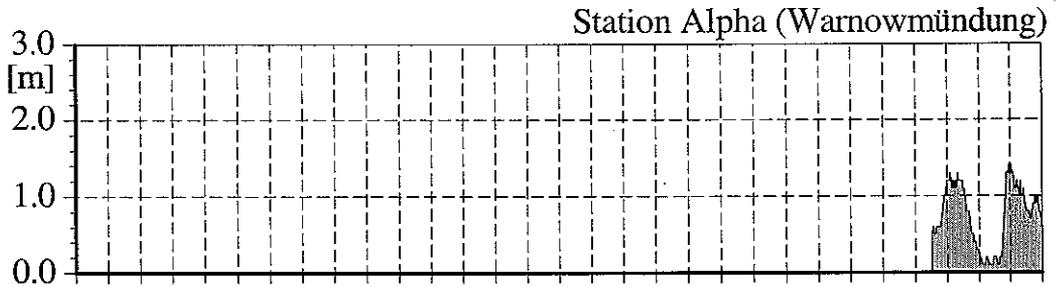
Station: Alpha (Warnowmündung)

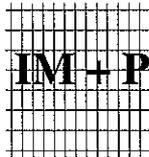
Wasserstand Warnemünde

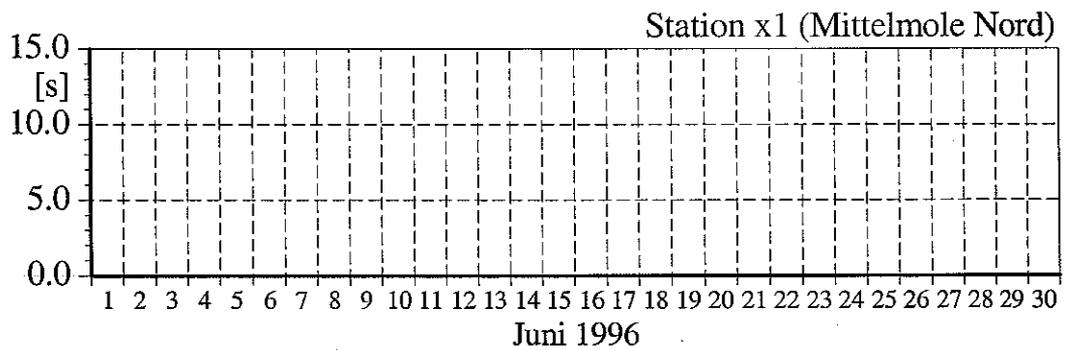
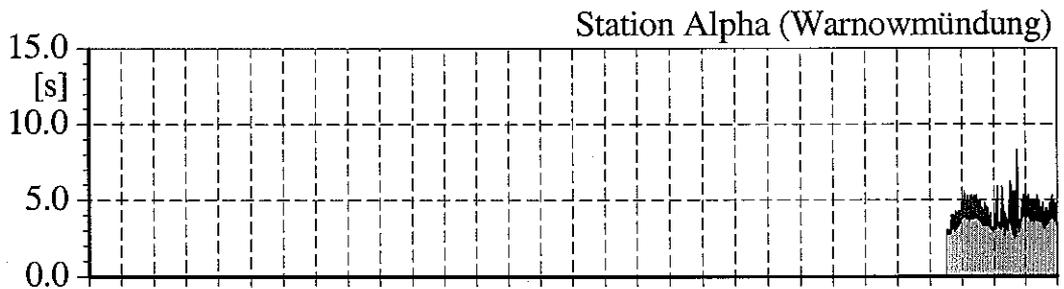


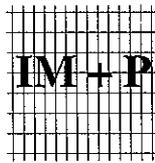
Juni 1996

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 30. 06. 1996



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 30. 06. 1996



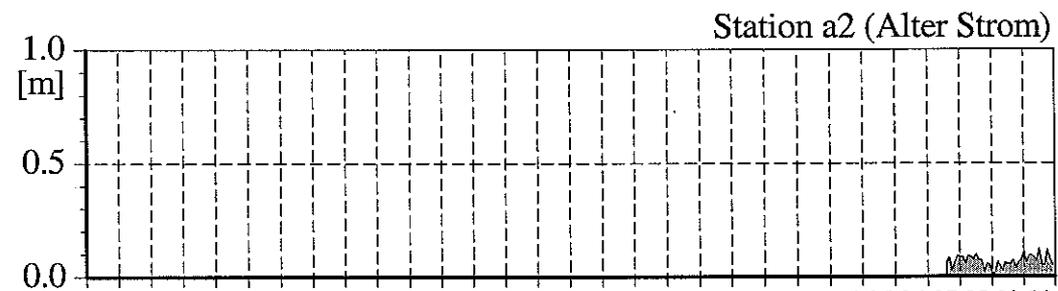
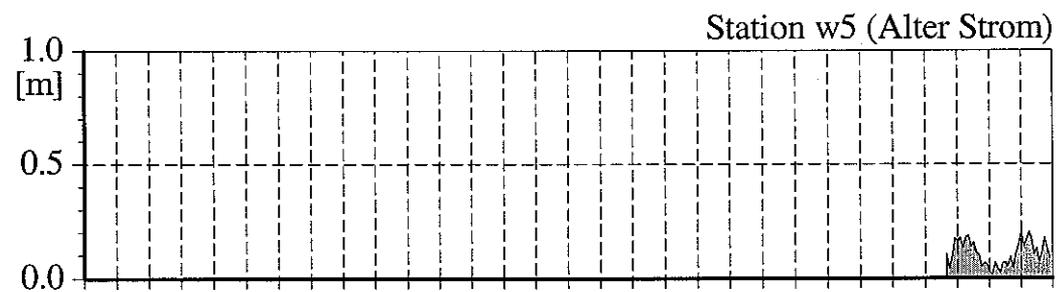
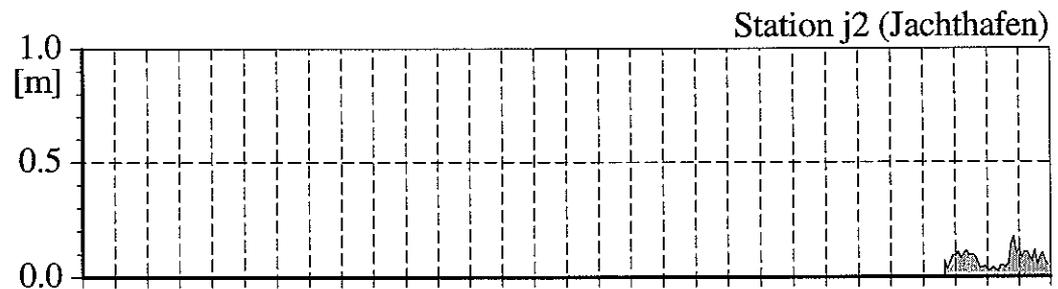
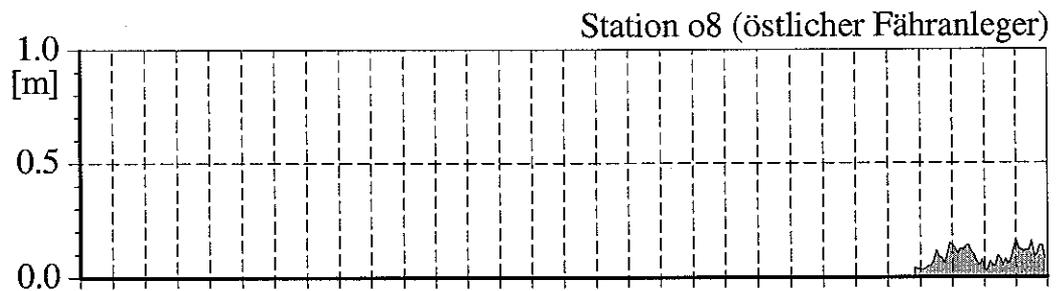
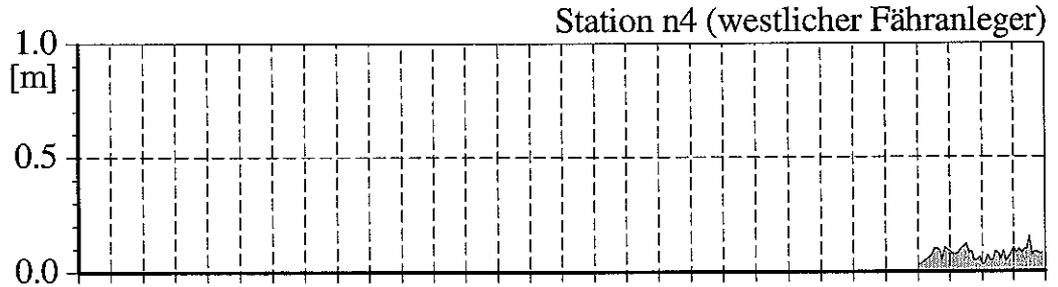


ZUFAHRT ZUM SEEHAFEN ROSTOCK

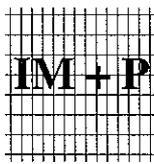
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 30. 06. 1996



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Juni 1996

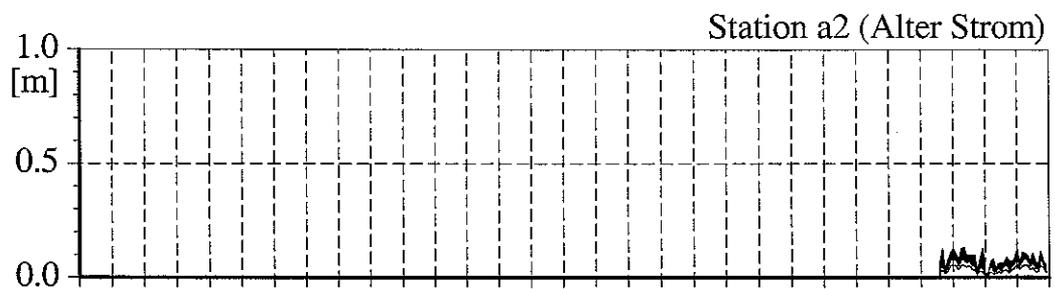
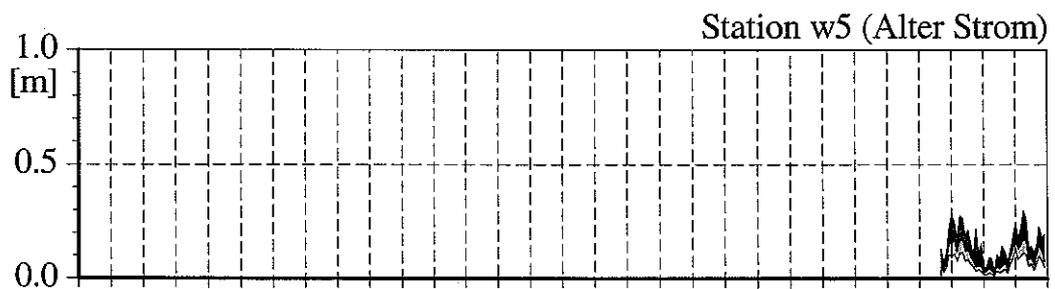
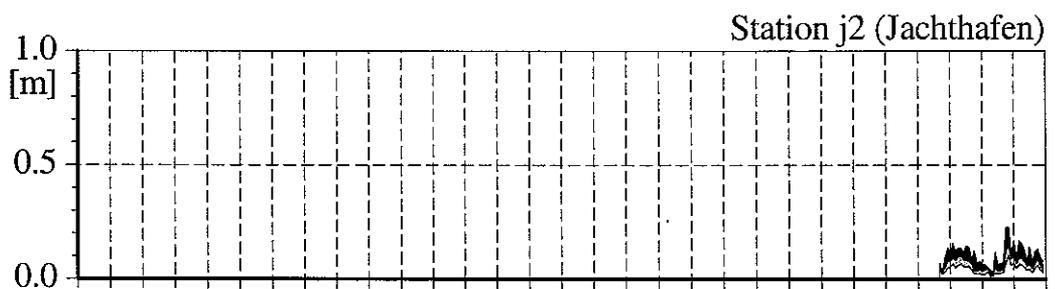
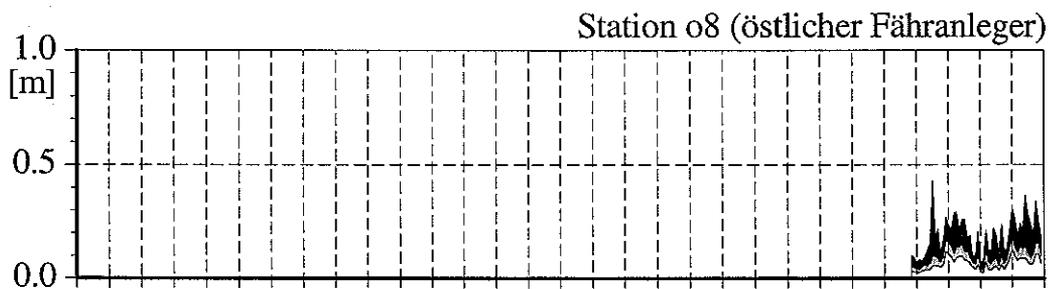
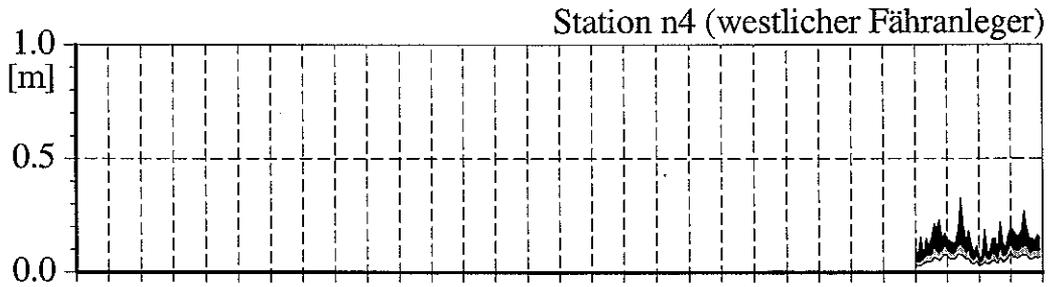


ZUFAHRT ZUM SEEHAFEN ROSTOCK

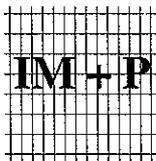
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max}

01. - 30. 06. 1996



Juni 1996

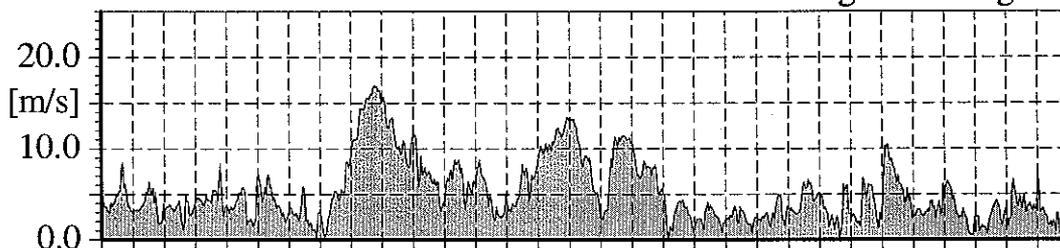


ZUFAHRT ZUM SEEHAFEN ROSTOCK

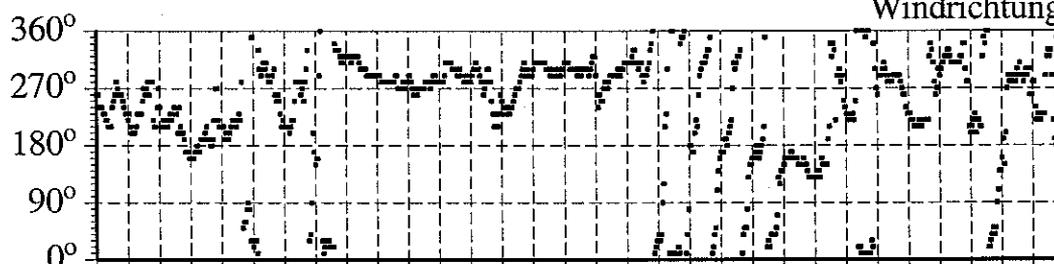
- Beweissicherung: Hydrologische Hauptwerte -

Wind - Seegang - Wasserstand | 01. - 31. 07. 1996

Windgeschwindigkeit

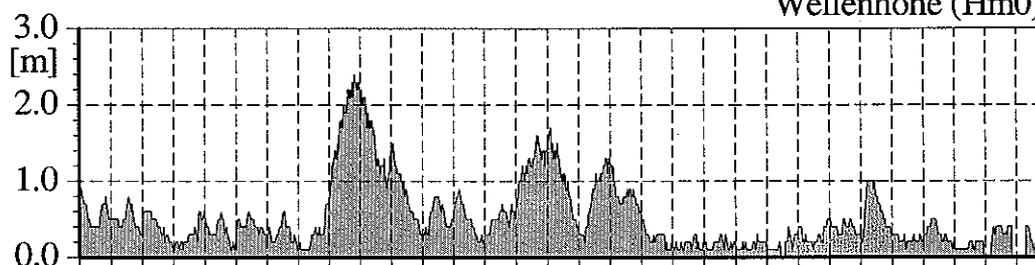


Windrichtung

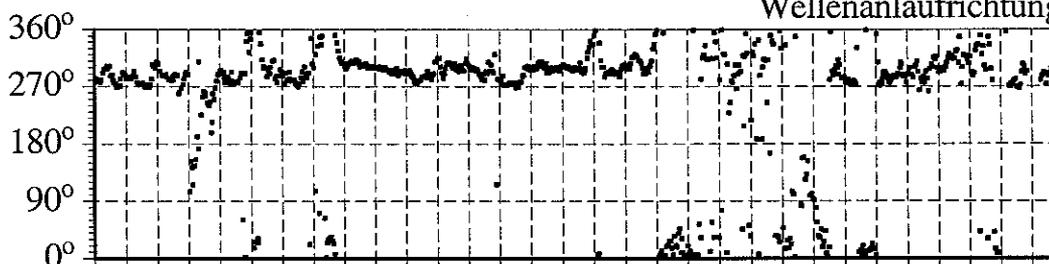


Station: DWD Warnemünde

Wellenhöhe (Hm0)

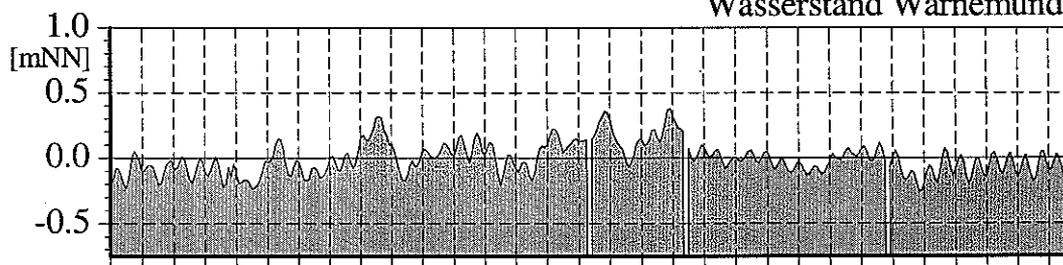


Wellenanlaufrichtung

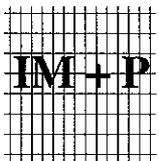


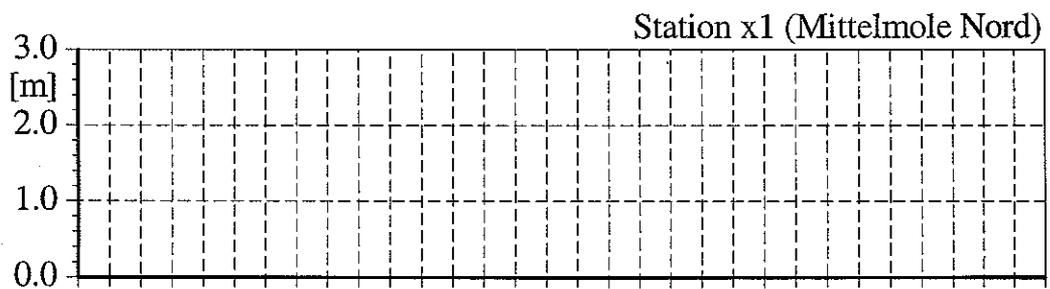
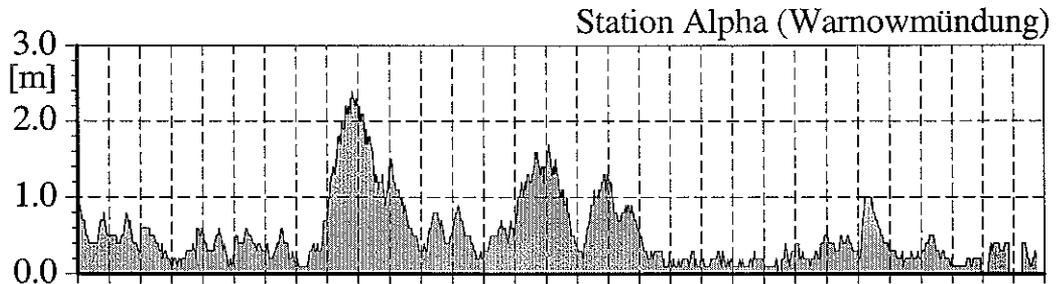
Station: Alpha (Warnowmündung)

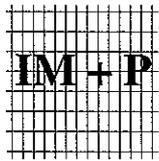
Wasserstand Warnemünde

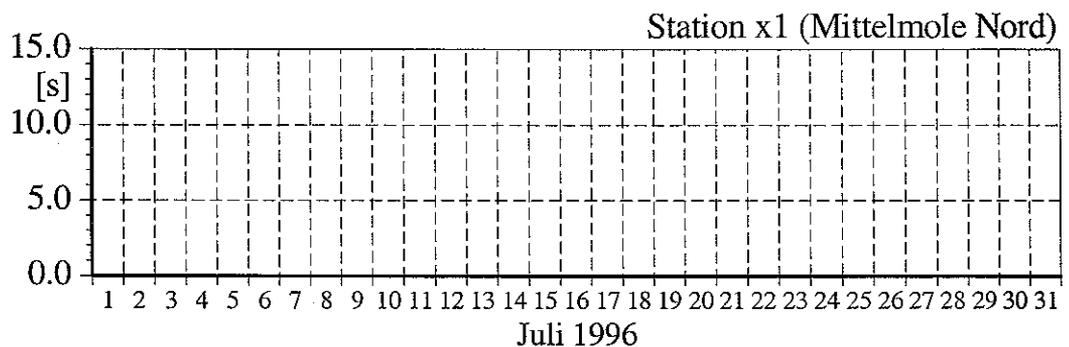
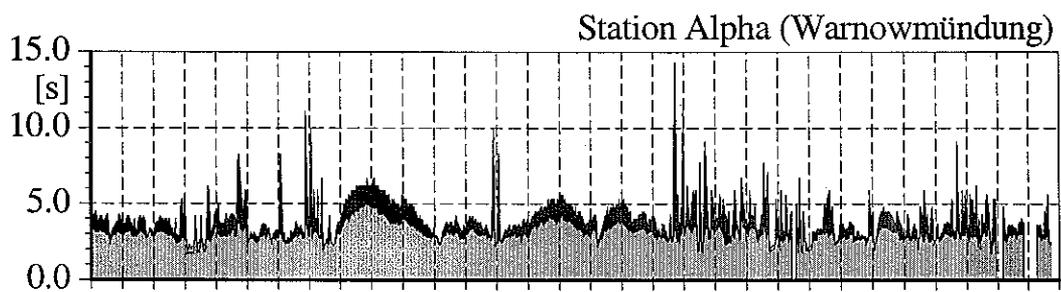


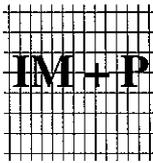
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Juli 1996

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 07. 1996



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 31. 07. 1996



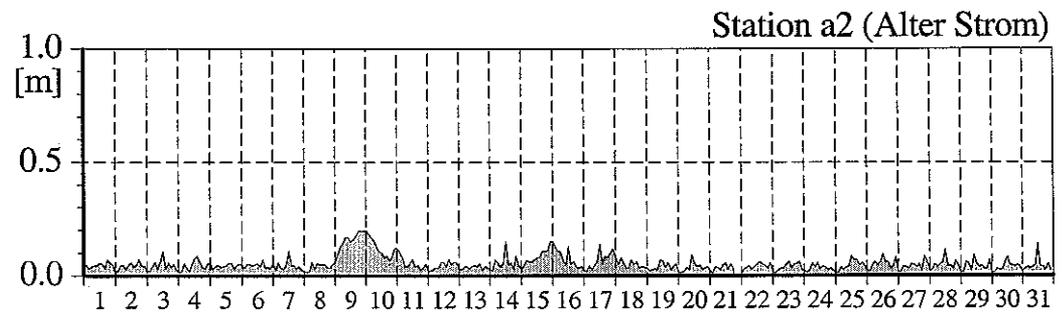
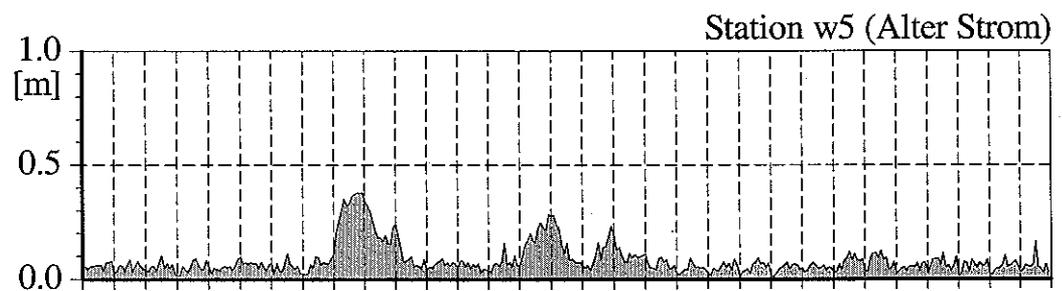
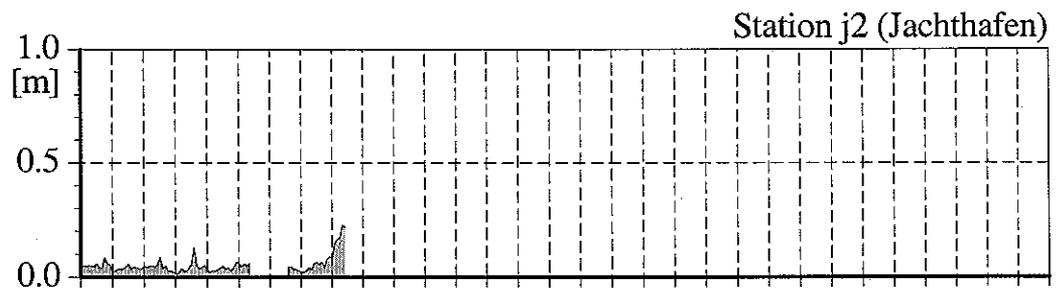
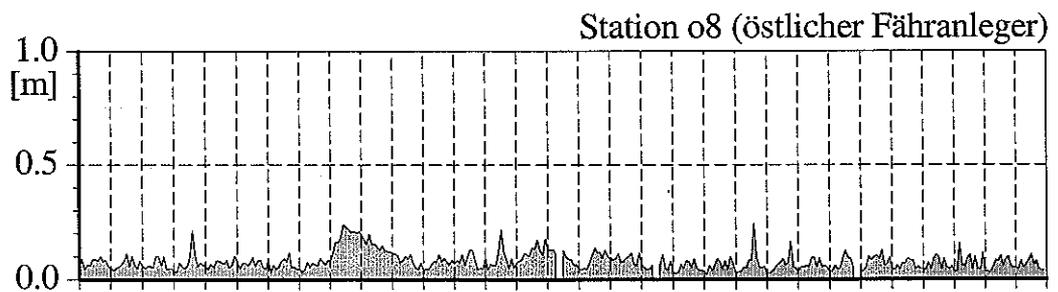
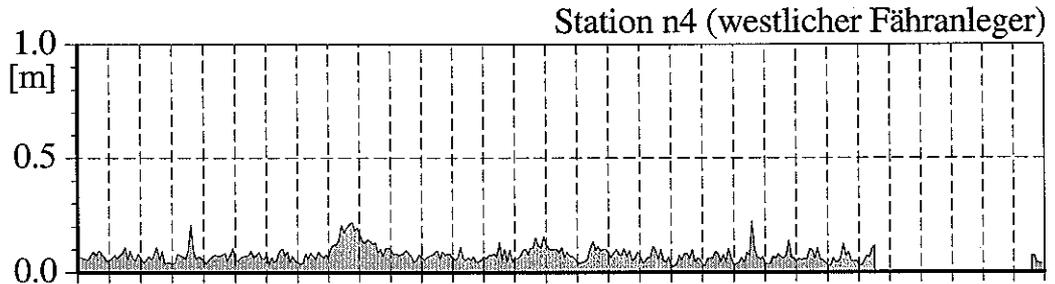


ZUFAHRT ZUM SEEHAFEN ROSTOCK

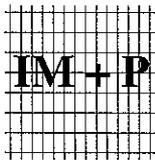
- Beweissicherung: Seegangsmessungen -

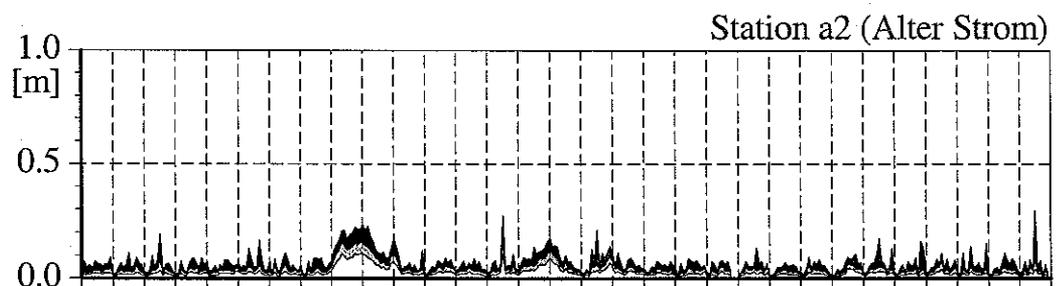
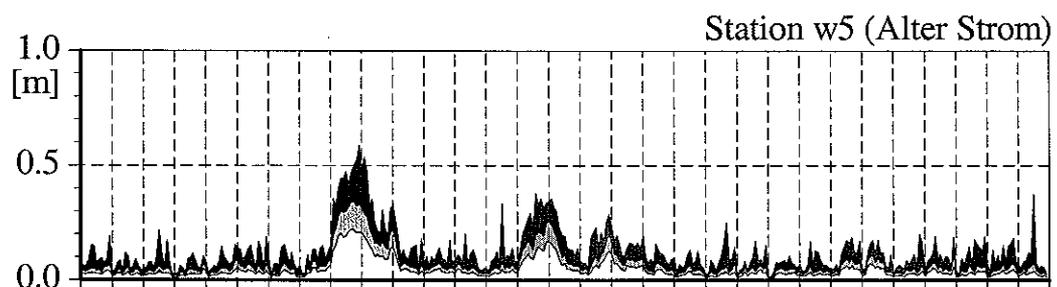
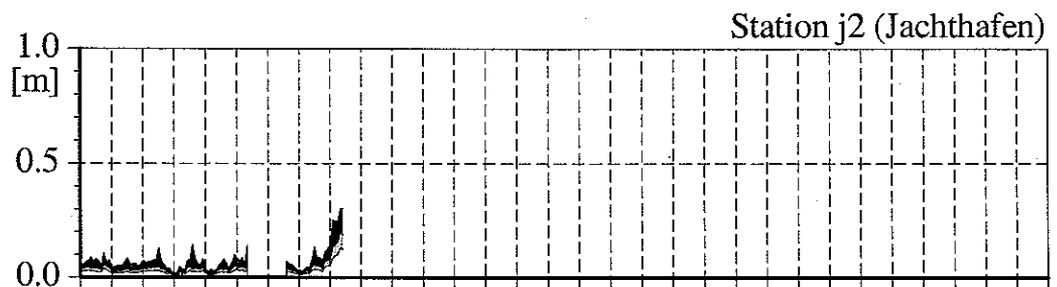
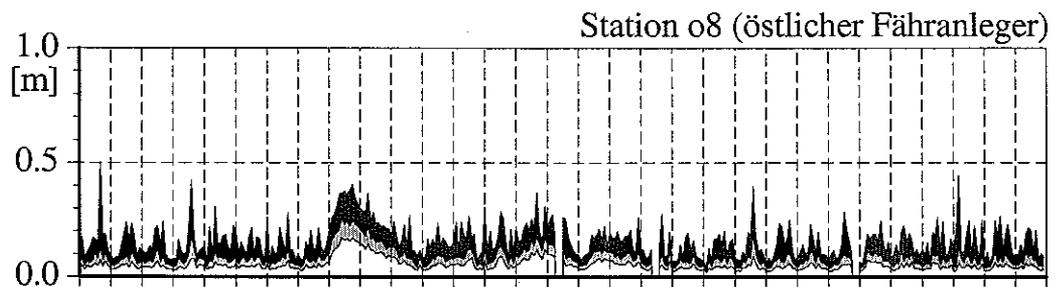
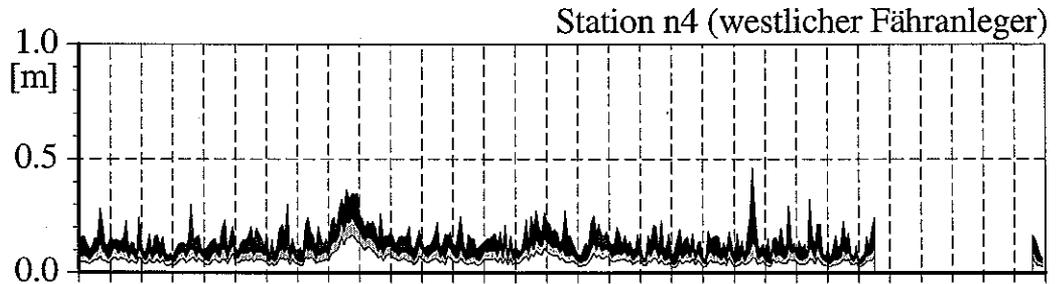
Wellenhöhe: H_{m0}

01. - 31. 07. 1996

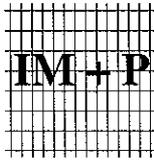


Juli 1996

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -		01. - 31. 07. 1996
	Wellenhöhe: H_m $H_{1/3}$ H_{max}		



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Juli 1996

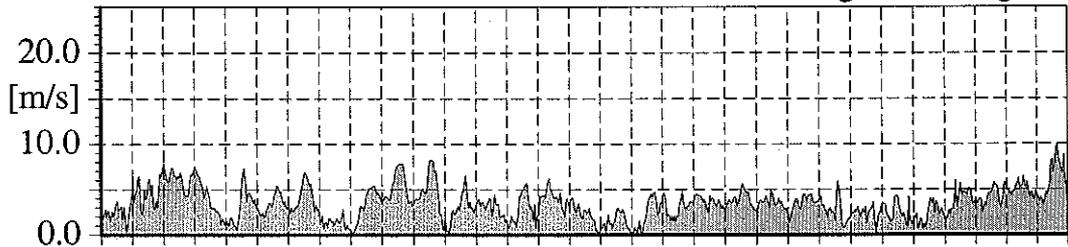


ZUFAHRT ZUM SEEHAFEN ROSTOCK

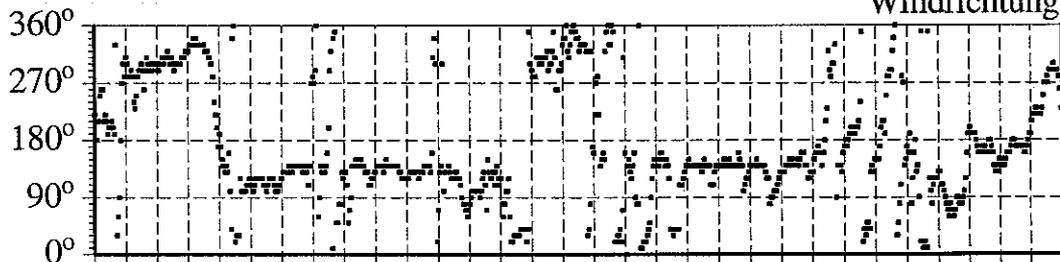
- Beweissicherung: Hydrologische Hauptwerte -

Wind - Seegang - Wasserstand | 01. - 31. 08. 1996

Windgeschwindigkeit

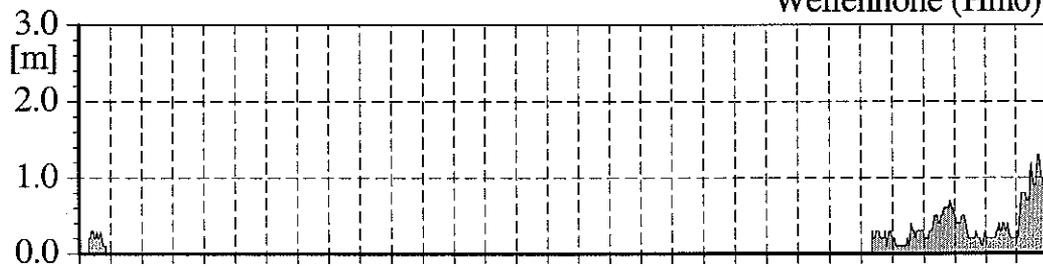


Windrichtung

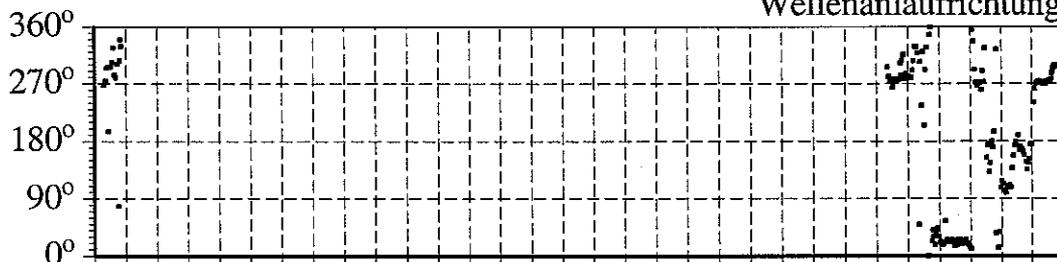


Station: DWD Warnemünde

Wellenhöhe (Hm0)

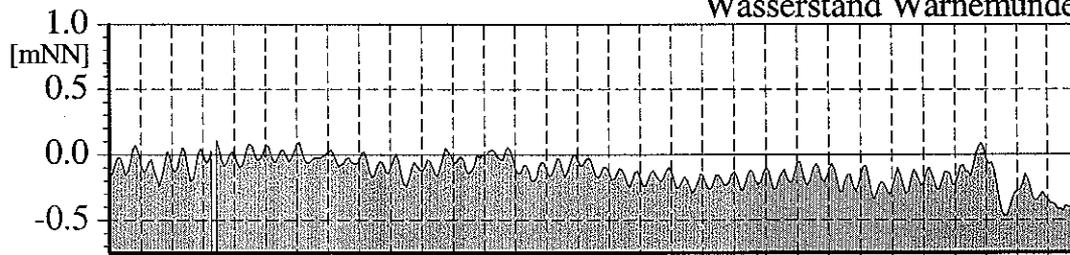


Wellenanlaufrichtung

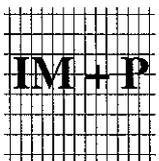


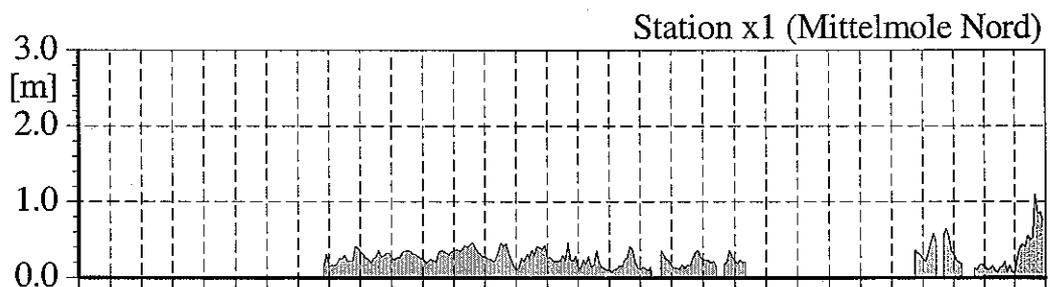
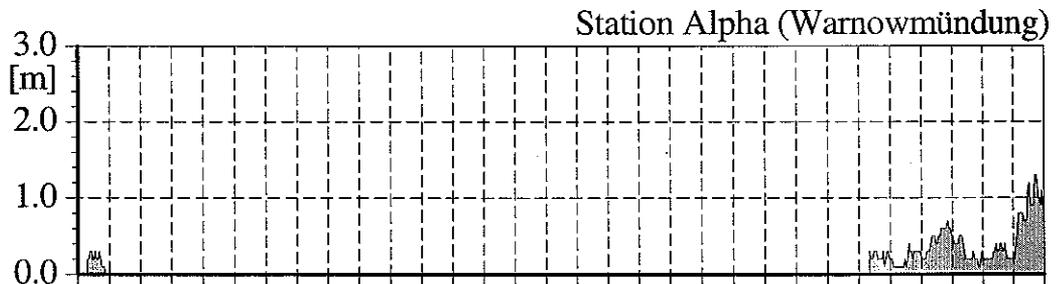
Station: Alpha (Warnowmündung)

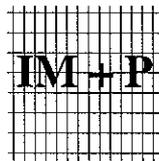
Wasserstand Warnemünde

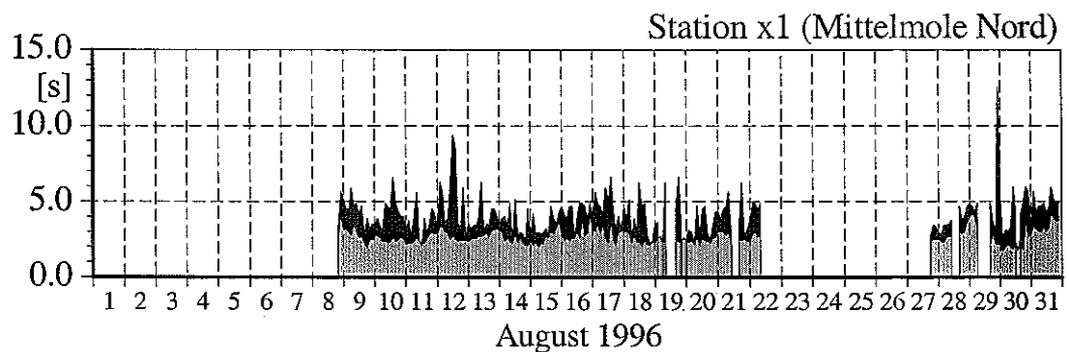
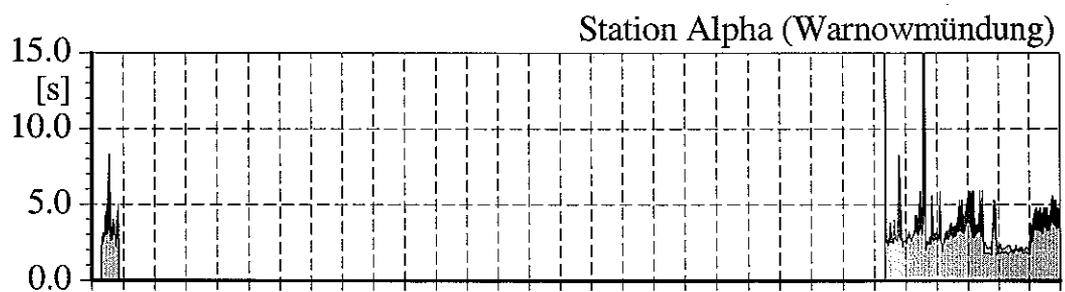


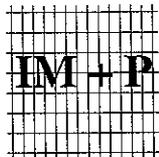
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
August 1996

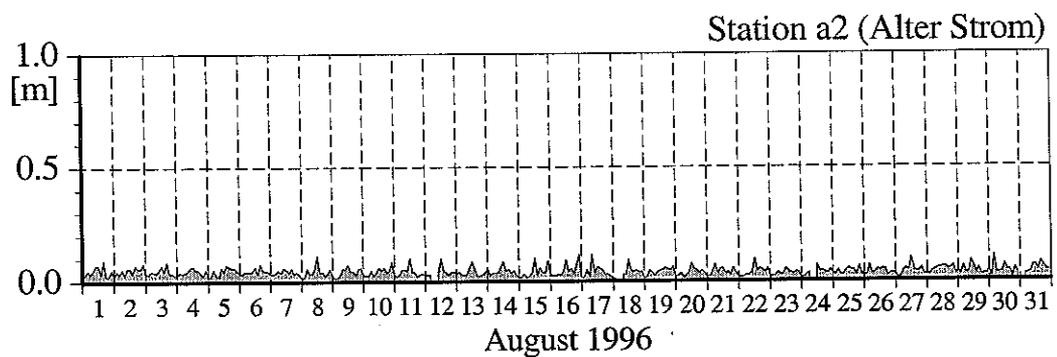
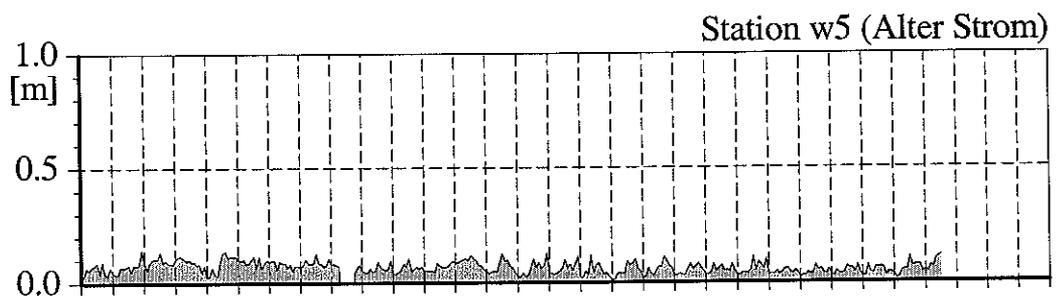
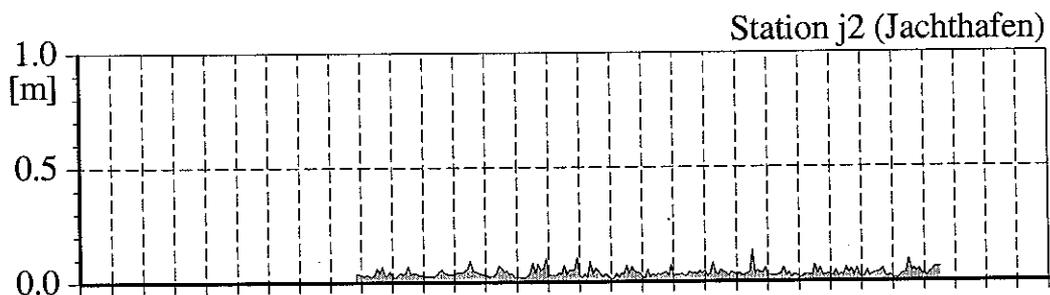
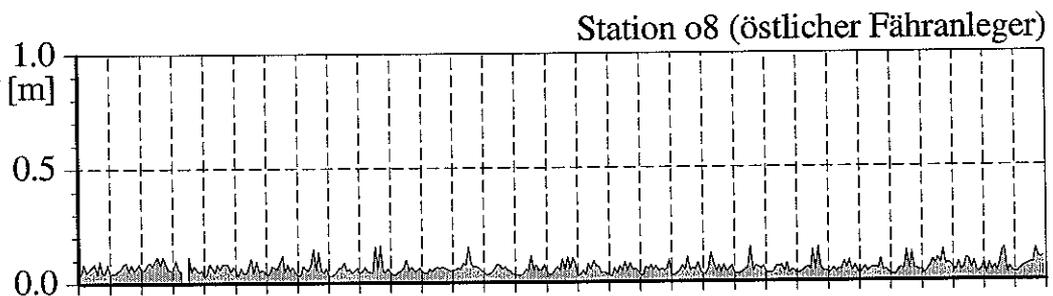
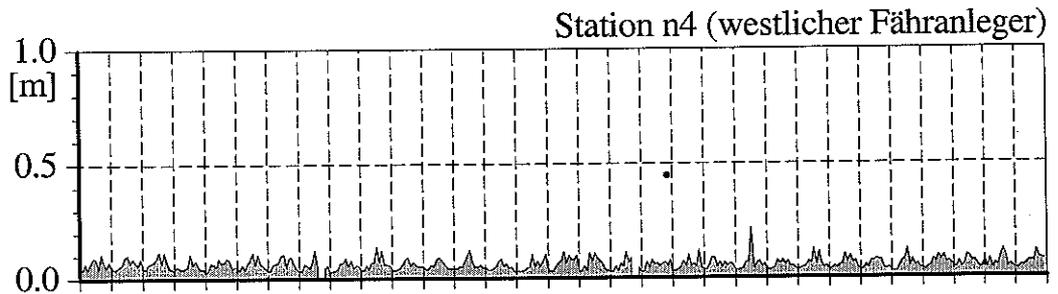
	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 08. 1996

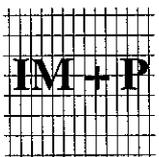


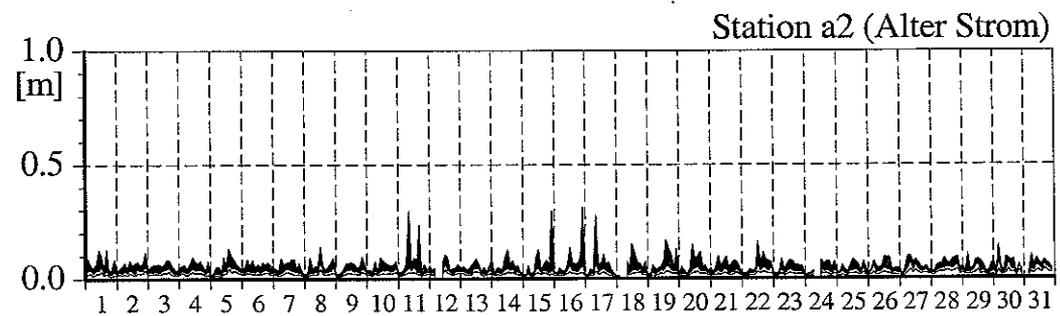
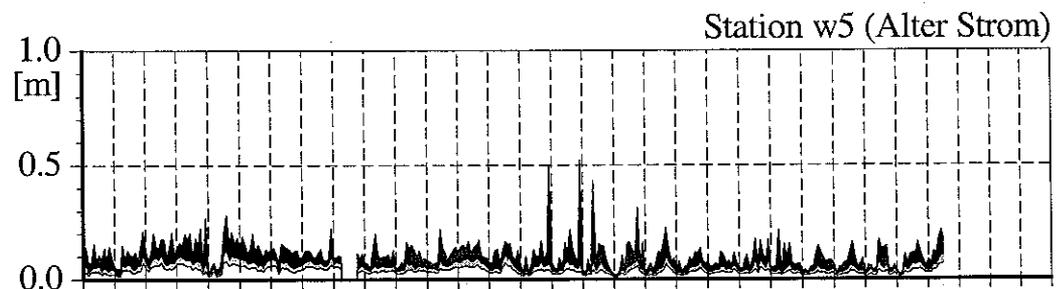
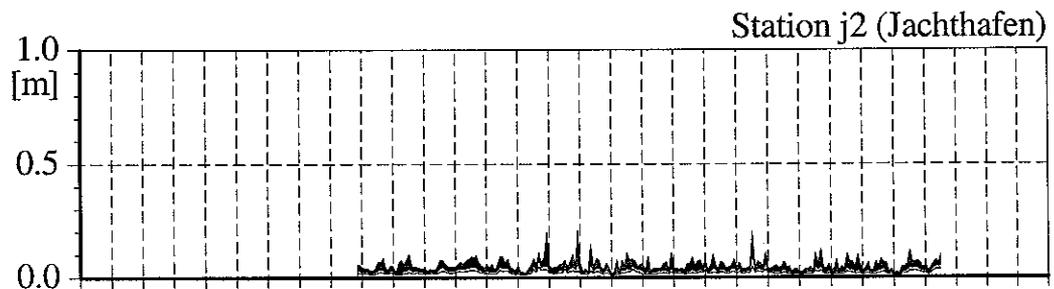
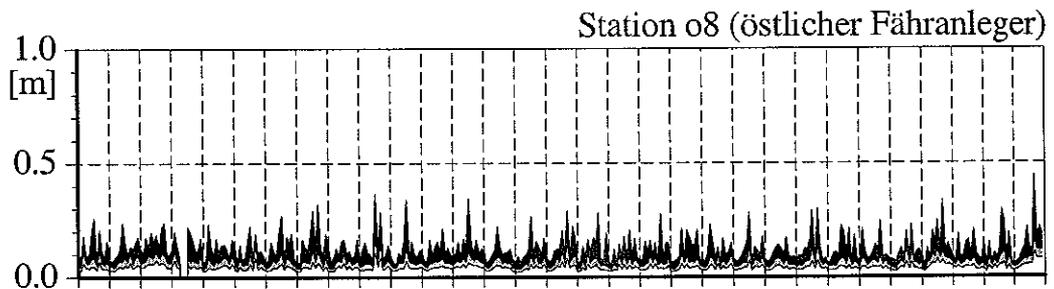
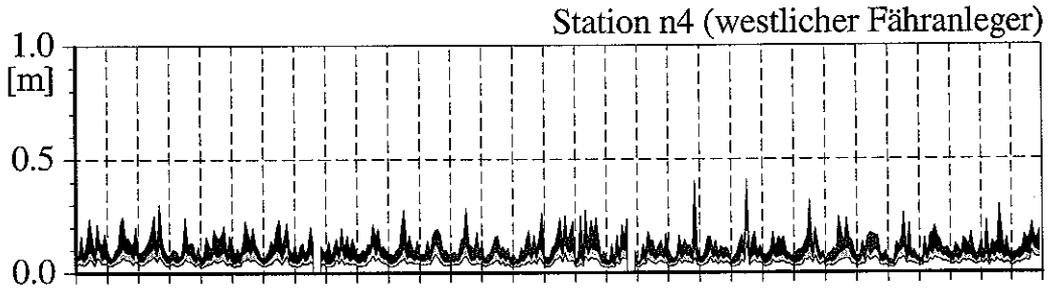
	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 31. 08. 1996



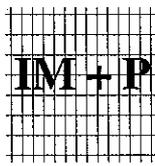
	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 08. 1996



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -		01. - 31. 08. 1996
	Wellenhöhe: H_m $H_{1/3}$ H_{max}		



August 1996



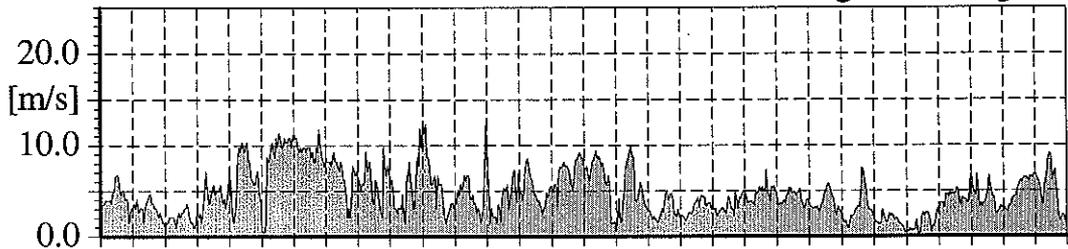
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Hydrologische Hauptwerte -

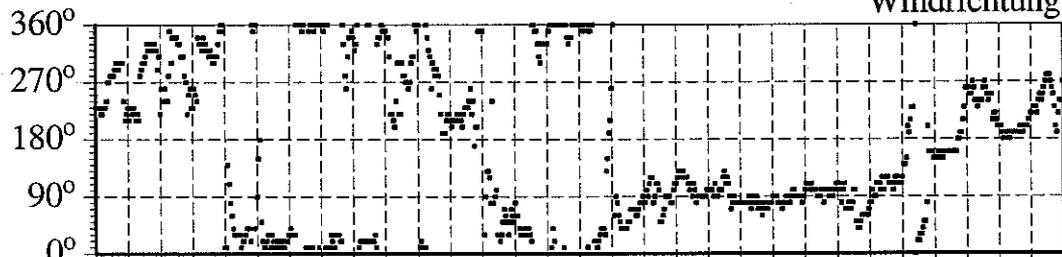
Wind - Seegang - Wasserstand

01. - 30. 09. 1996

Windgeschwindigkeit

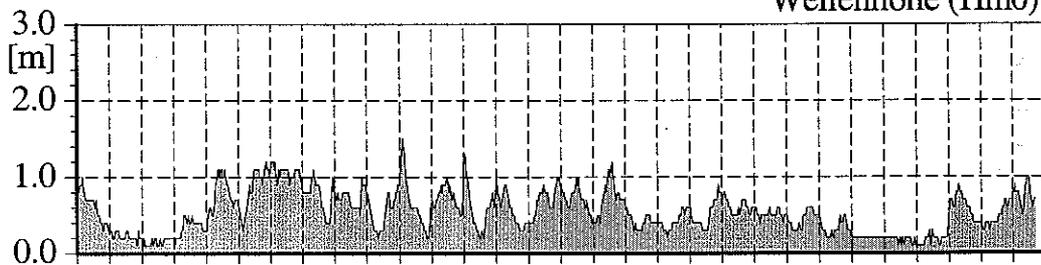


Windrichtung

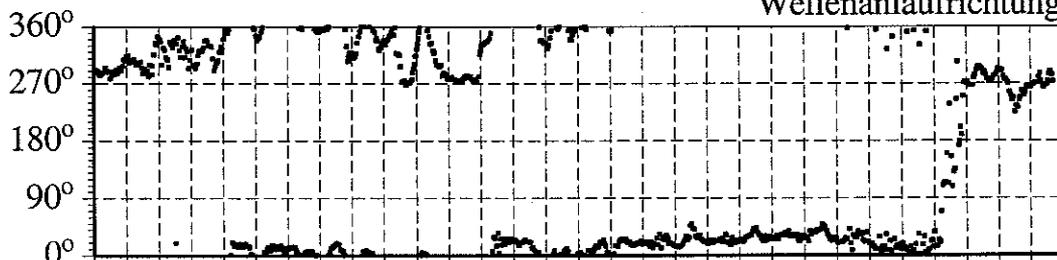


Station: DWD Warnemünde

Wellenhöhe (Hm0)

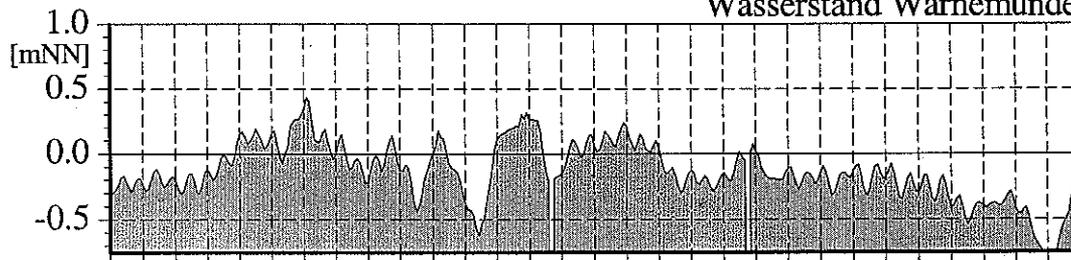


Wellenanlaufrichtung

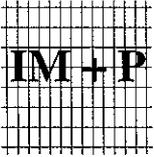


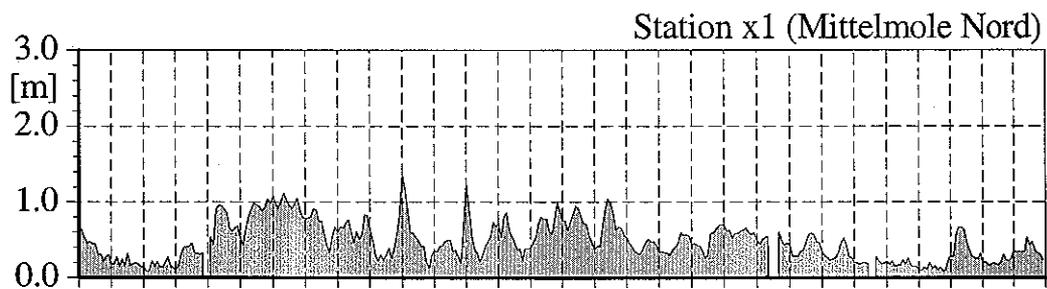
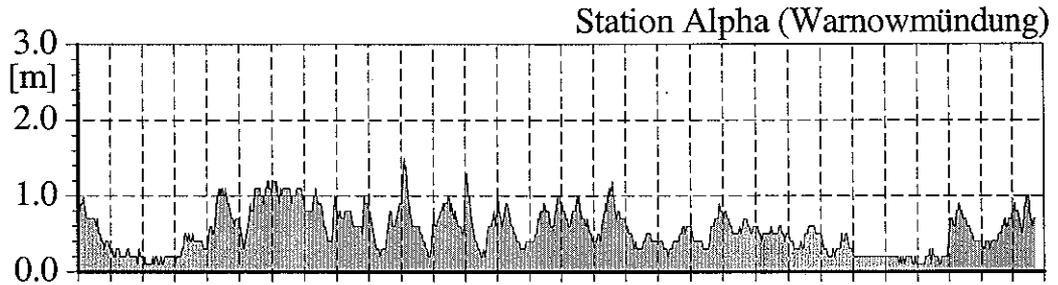
Station: Alpha (Warnowmündung)

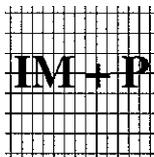
Wasserstand Warnemünde

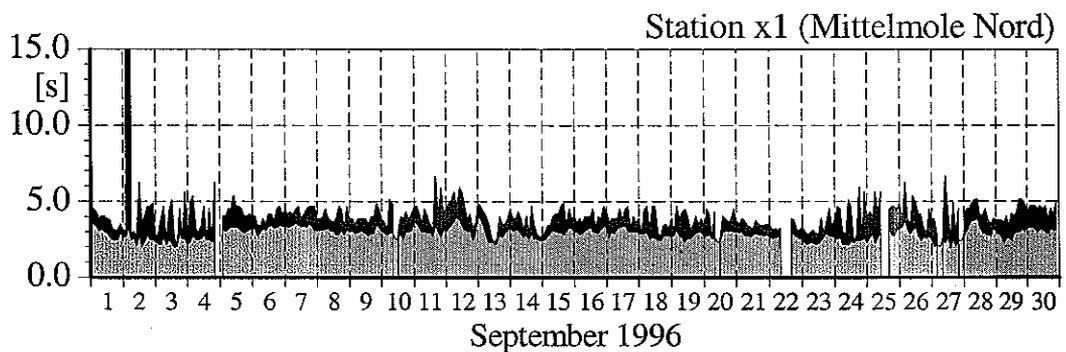
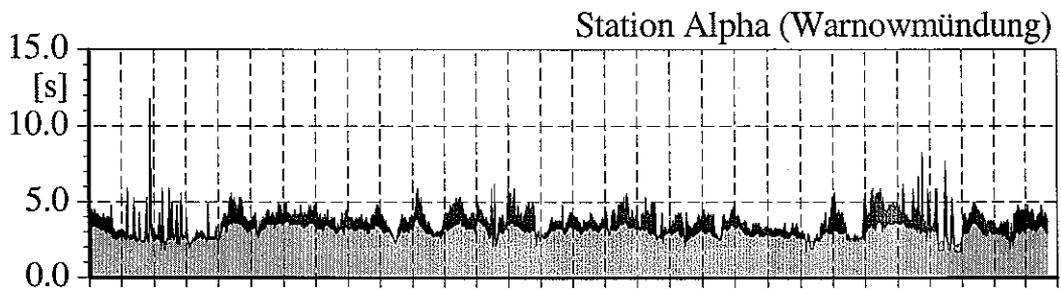


September 1996

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 30. 09. 1996



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 30. 09. 1996

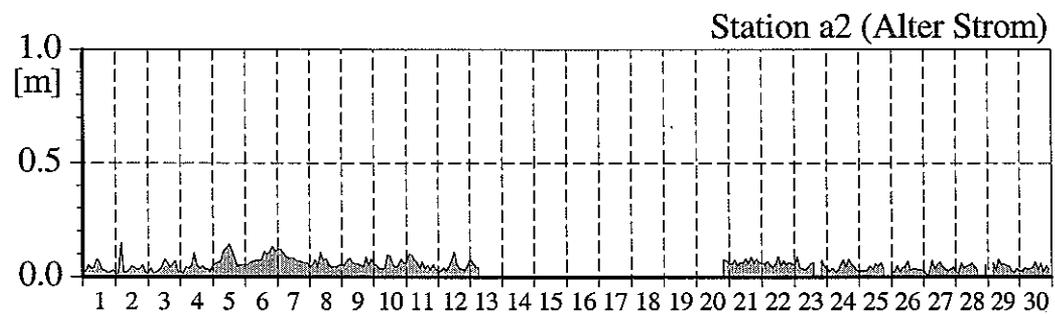
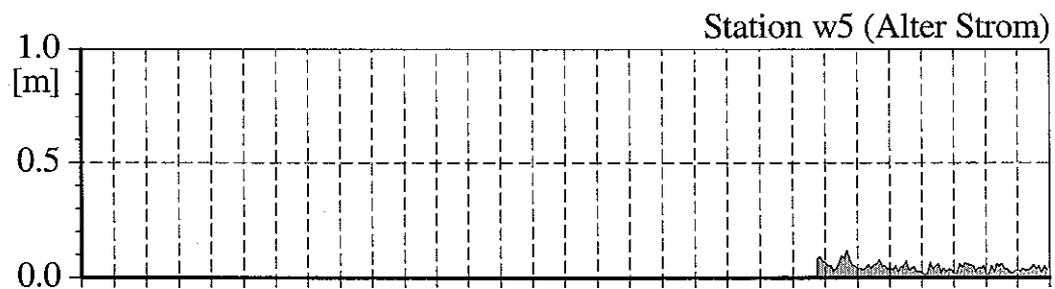
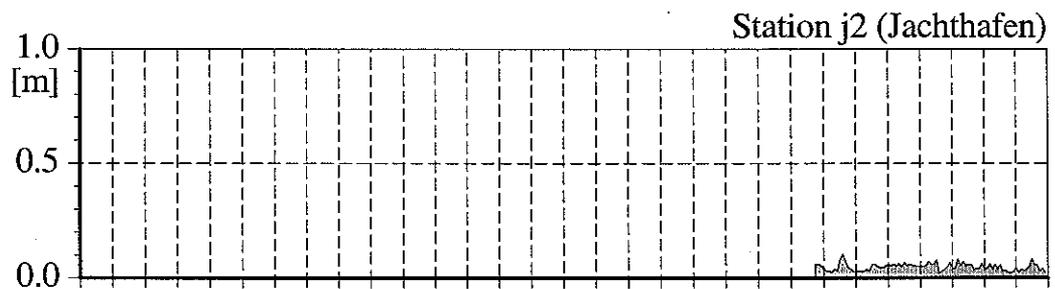
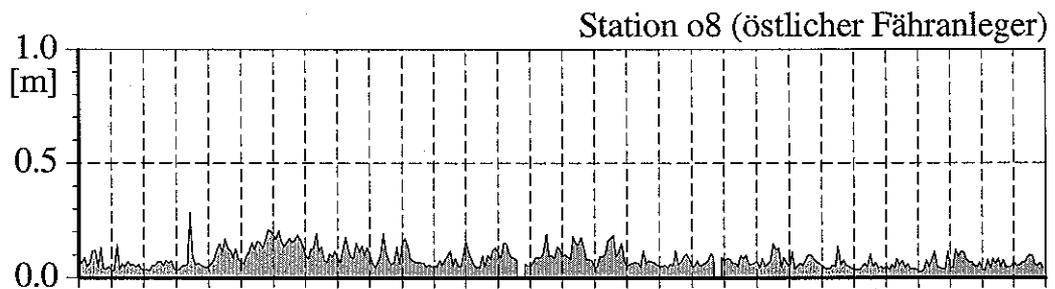
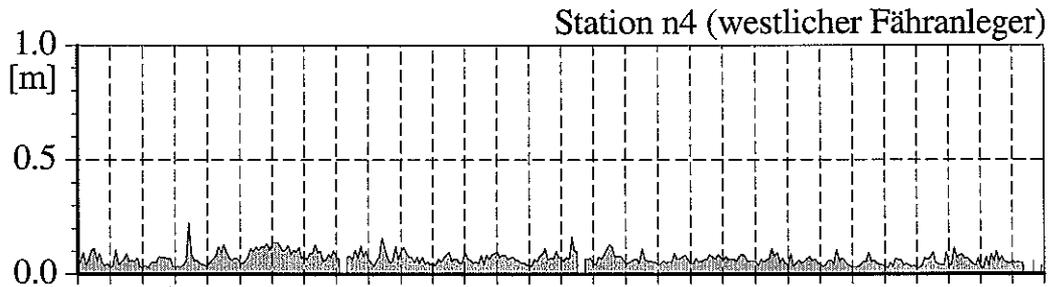


IM + P

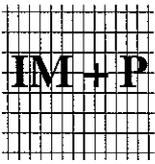
ZUFAHRT ZUM SEEHAFEN ROSTOCK
- Beweissicherung: Seegangsmessungen -

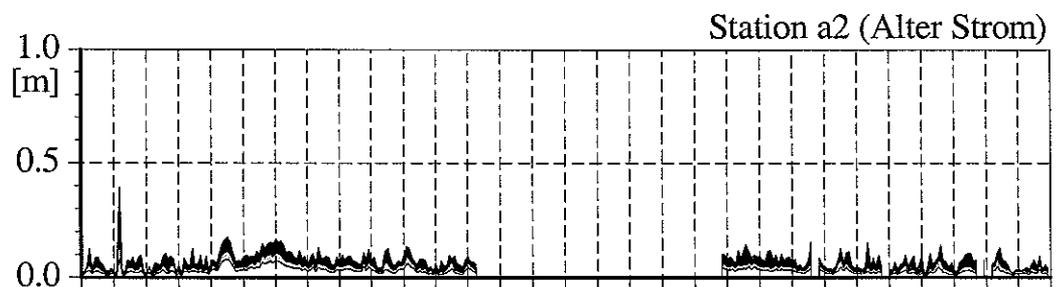
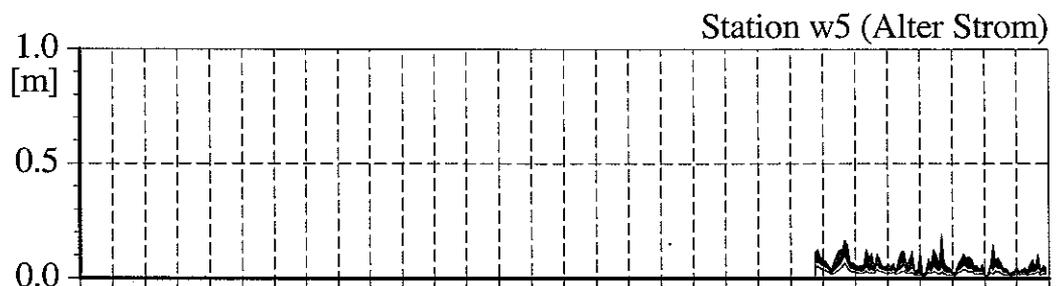
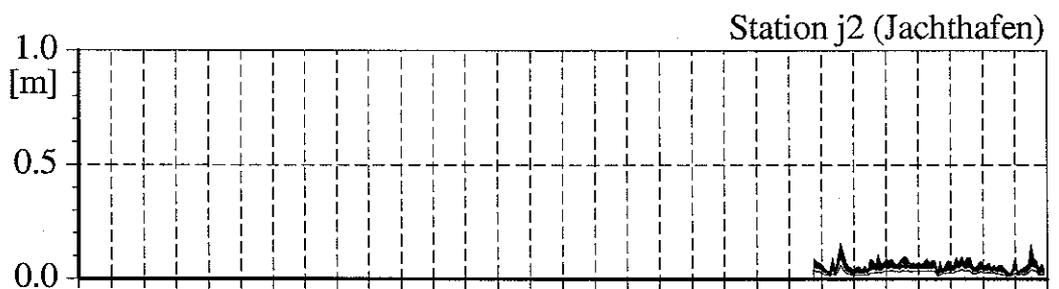
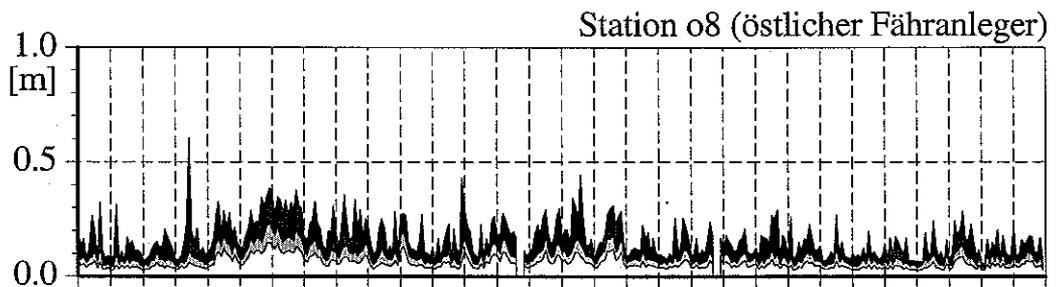
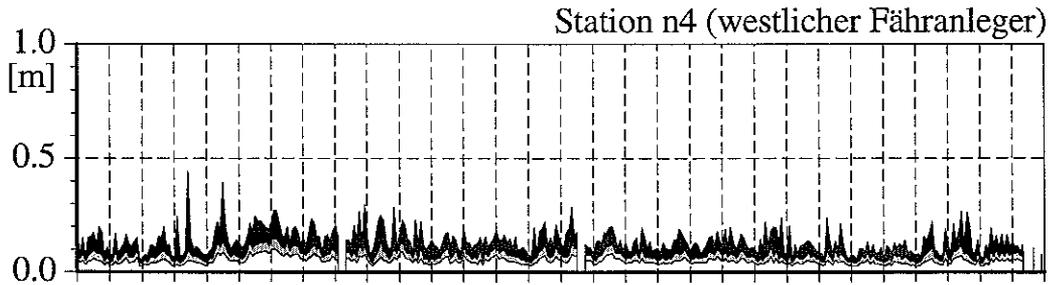
Wellenhöhe: H_{m0}

01. - 30. 09. 1996

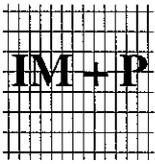


September 1996

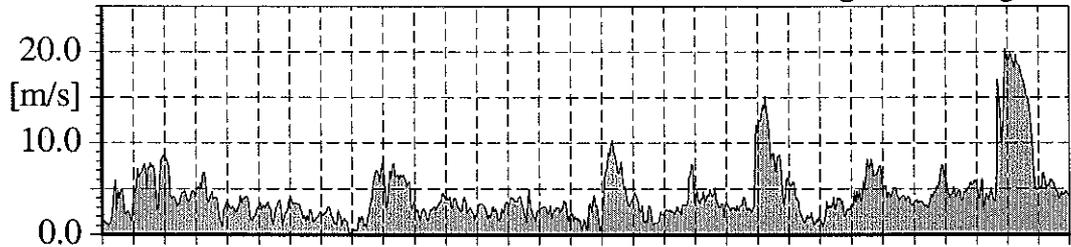
	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -			01. - 30. 09. 1996
	Wellenhöhe: H_m $H_{1/3}$ H_{max}			



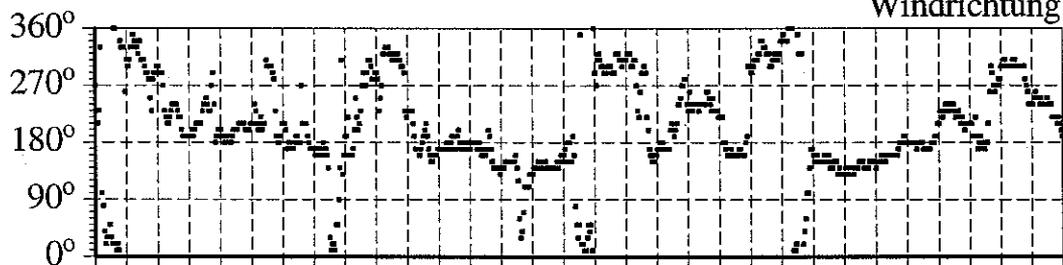
September 1996

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Hydrologische Hauptwerte -	
	Wind - Seegang - Wasserstand	01. - 31. 10. 1996

Windgeschwindigkeit

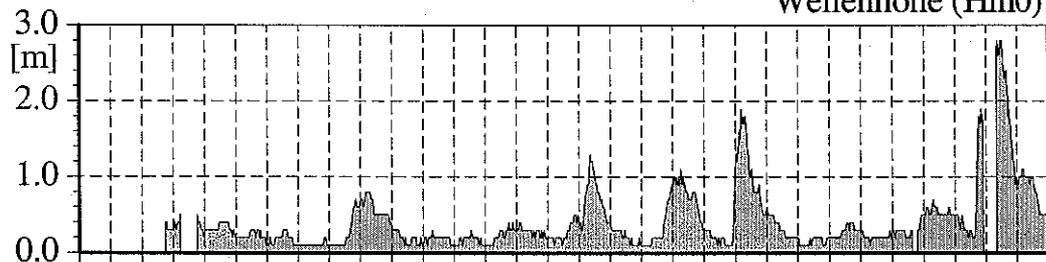


Windrichtung

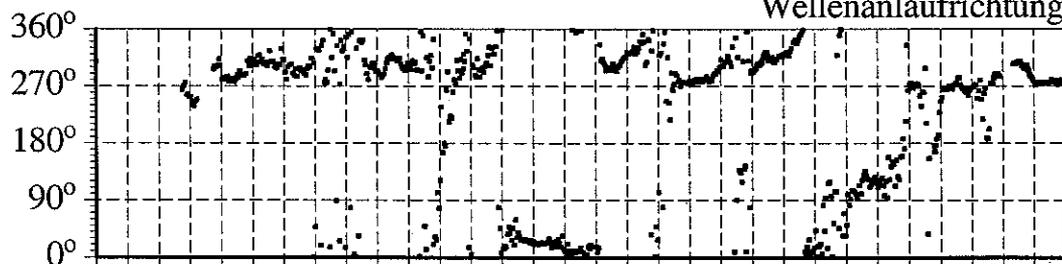


Station: DWD Warnemünde

Wellenhöhe (Hm0)

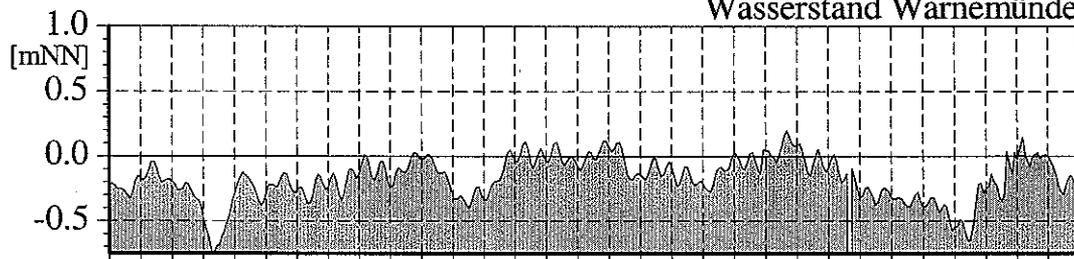


Wellenanlaufrichtung

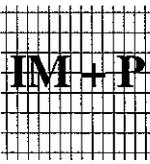


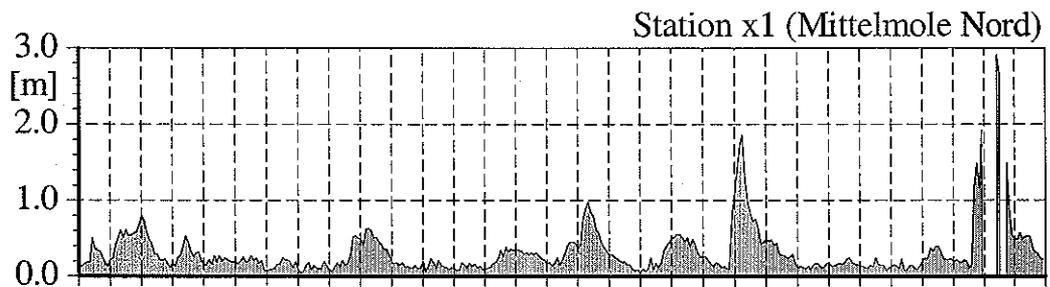
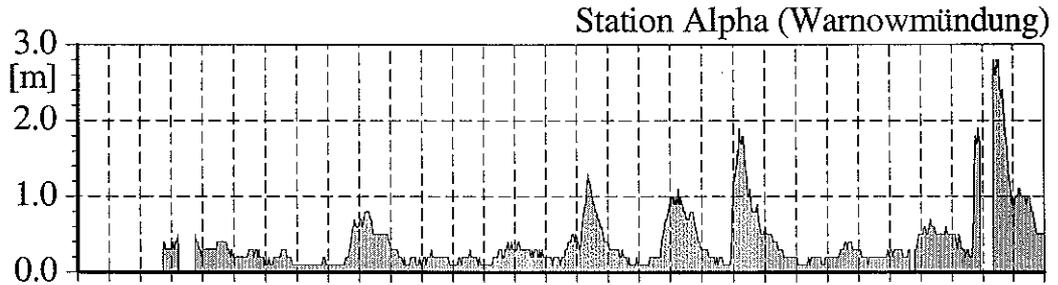
Station: Alpha (Warnowmündung)

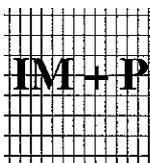
Wasserstand Warnemünde

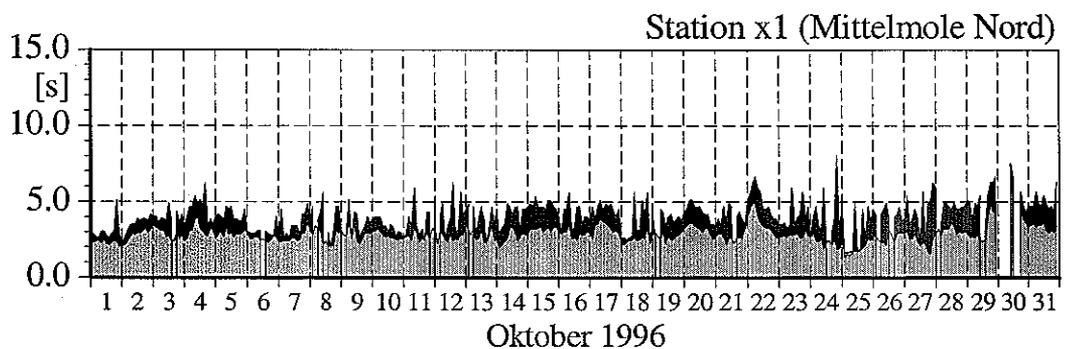
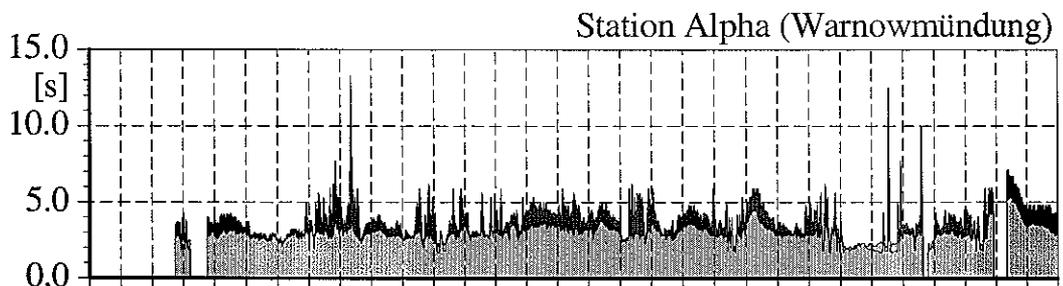


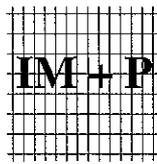
Oktober 1996

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 10. 1996



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 31. 10. 1996



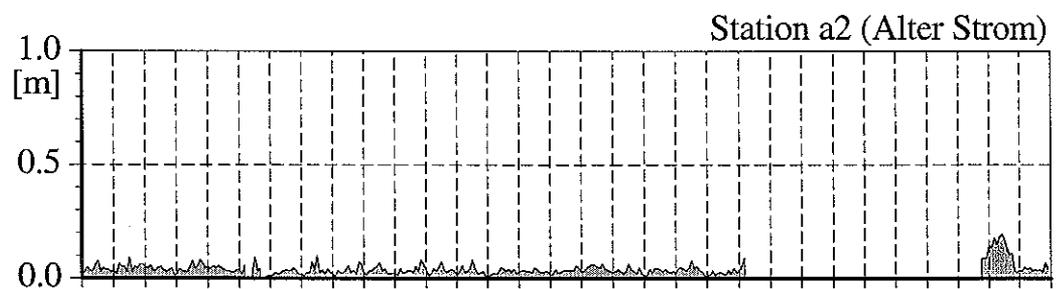
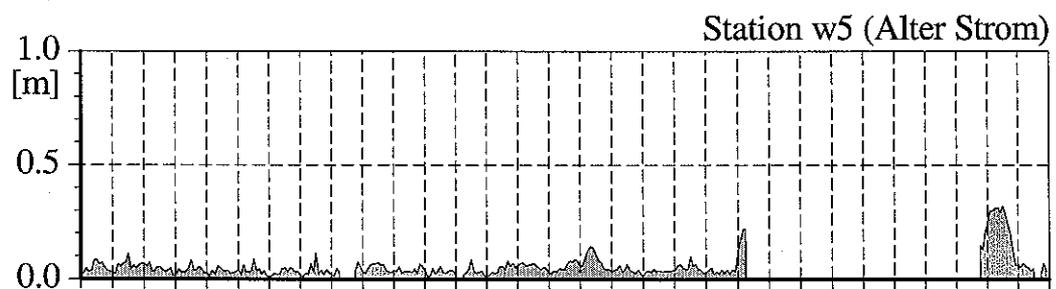
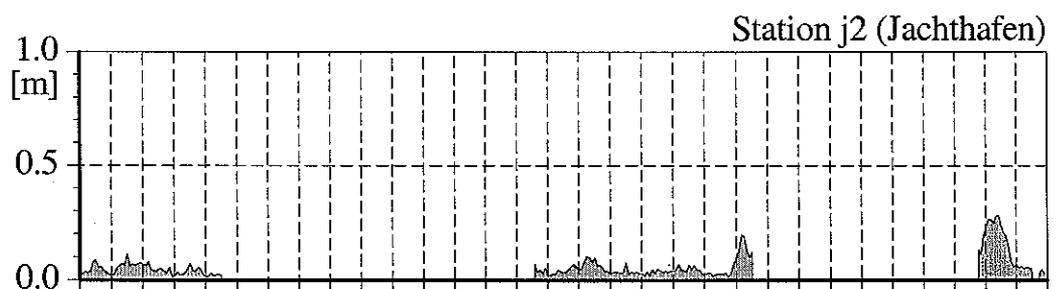
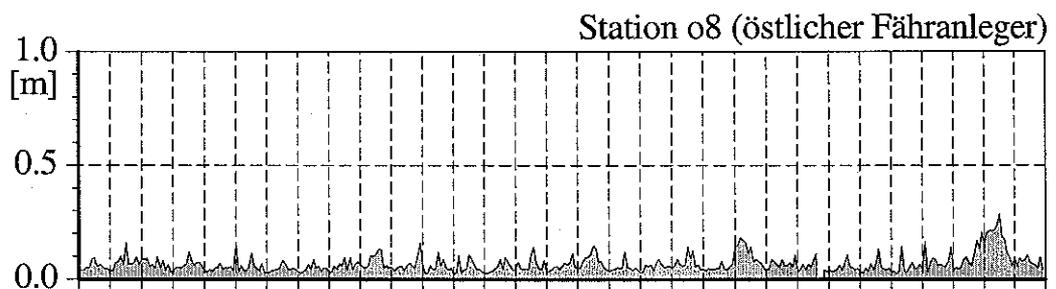
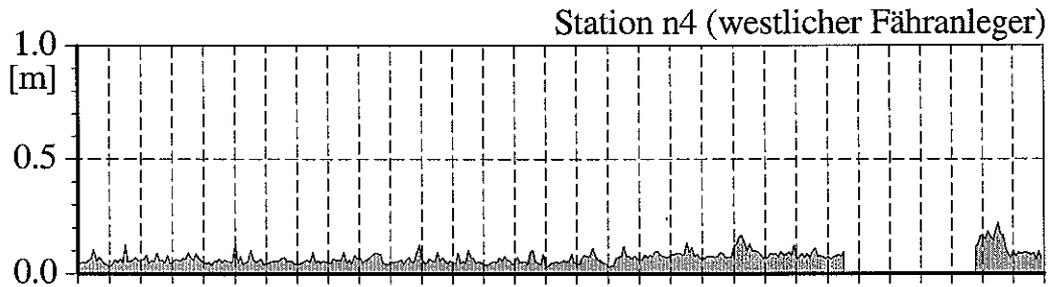


ZUFAHRT ZUM SEEHAFEN ROSTOCK

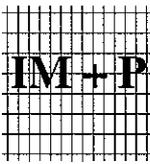
- Beweissicherung: Seegangsmessungen -

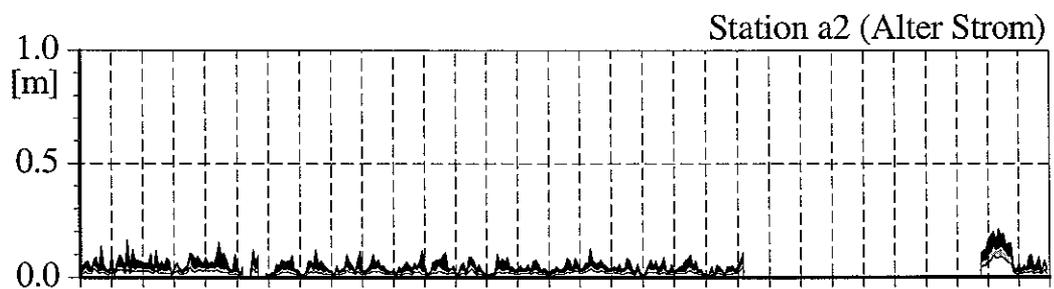
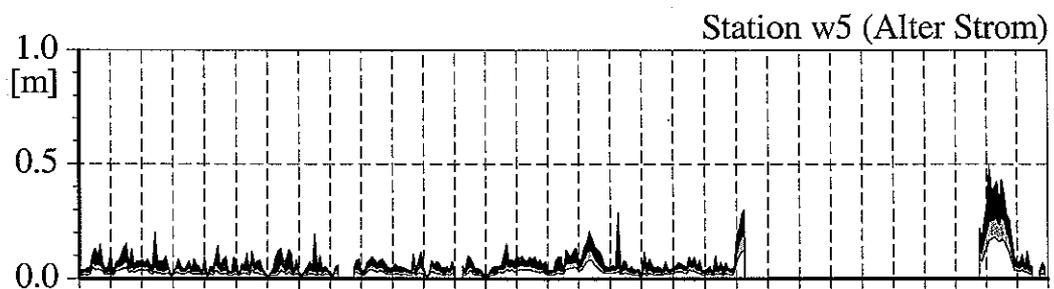
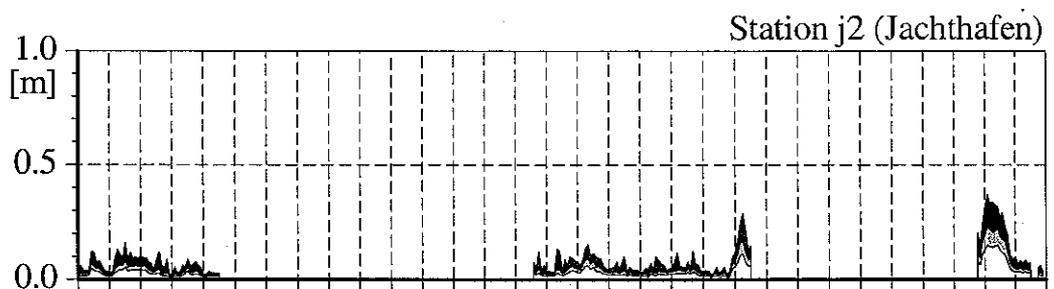
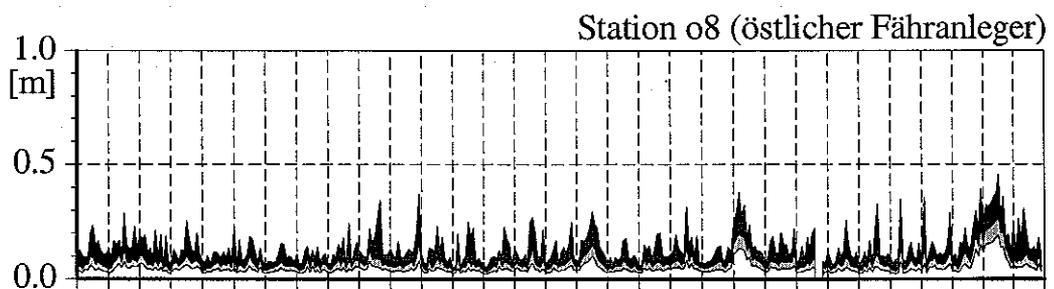
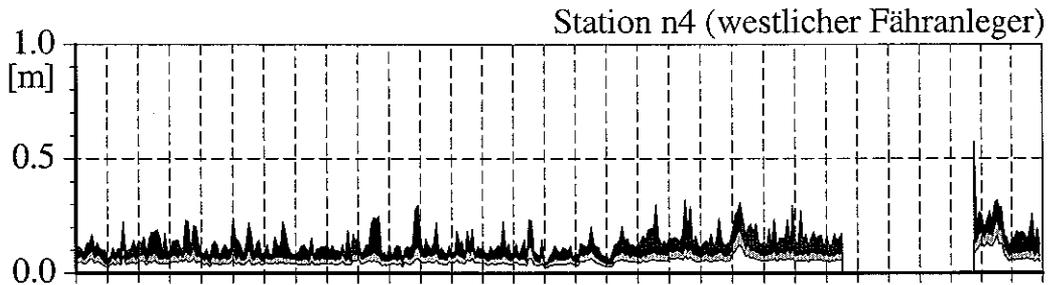
Wellenhöhe: H_{m0}

01. - 31. 10. 1996

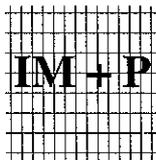


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Oktober 1996

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -			01. - 31. 10. 1996
	Wellenhöhe: H_m $H_{1/3}$ H_{max}			



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Oktober 1996



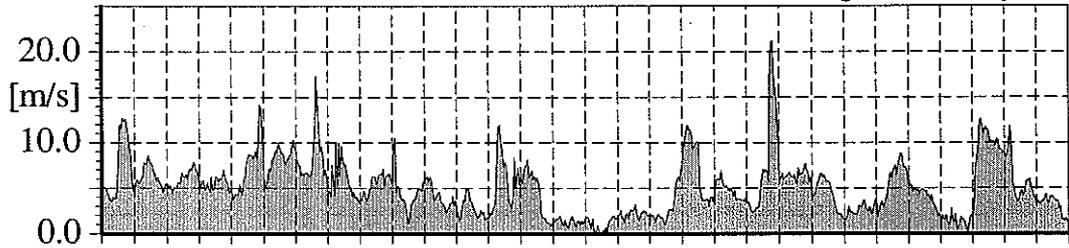
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Hydrologische Hauptwerte -

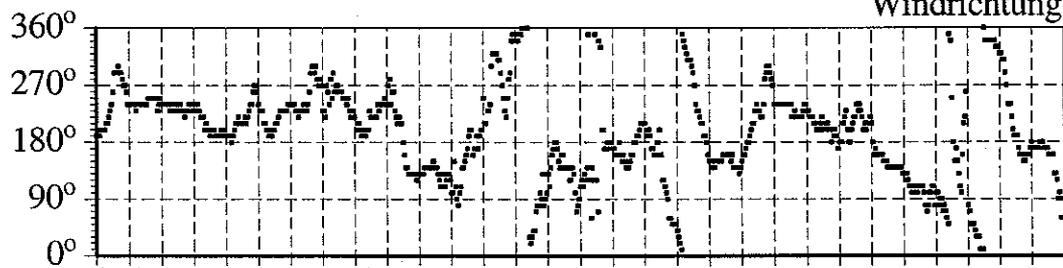
Wind - Seegang - Wasserstand

01. - 30. 11. 1996

Windgeschwindigkeit

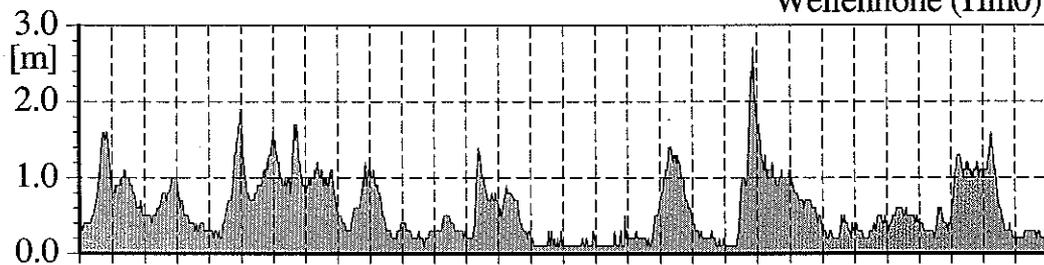


Windrichtung

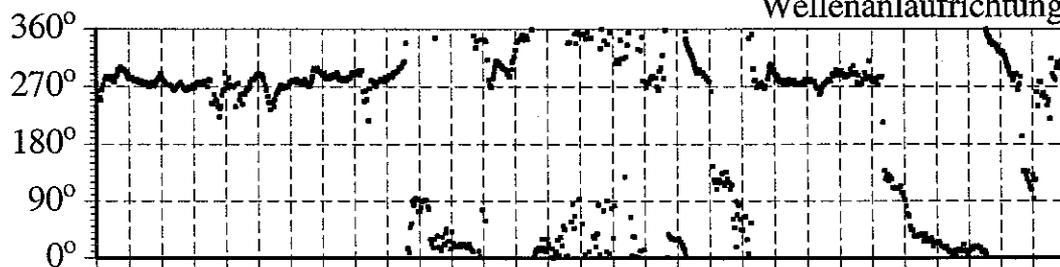


Station: DWD Warnemünde

Wellenhöhe (Hm0)

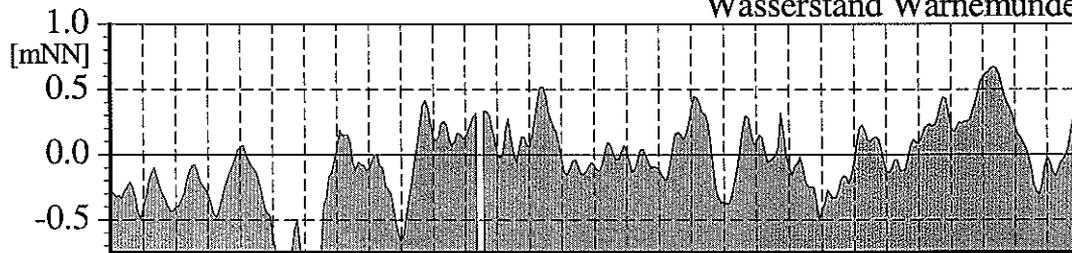


Wellenanlaufrichtung

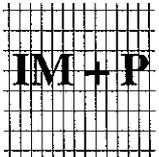


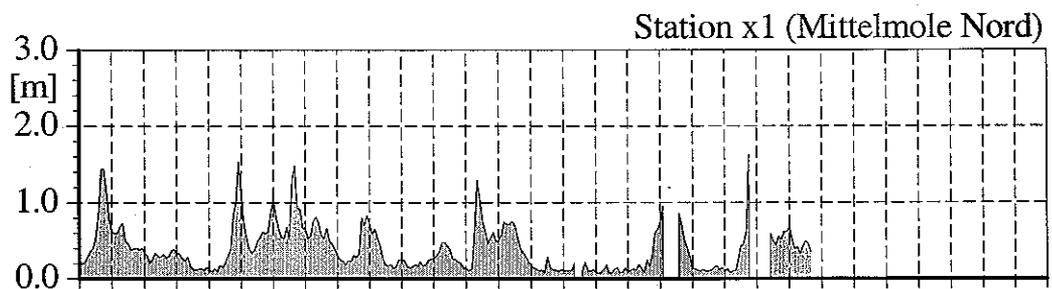
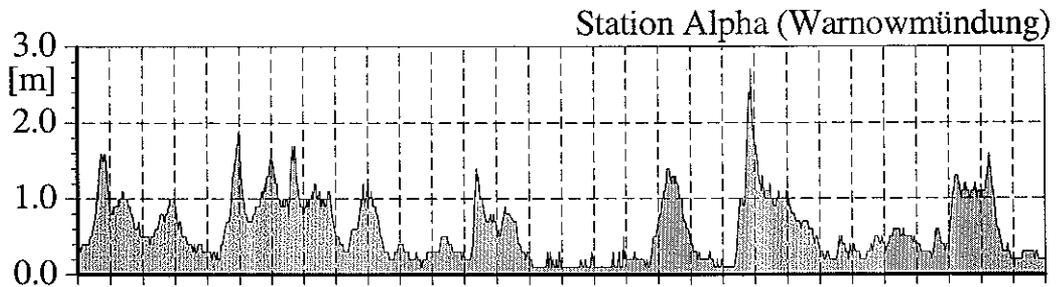
Station: Alpha (Warnowmündung)

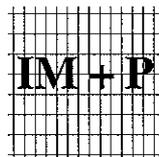
Wasserstand Warnemünde

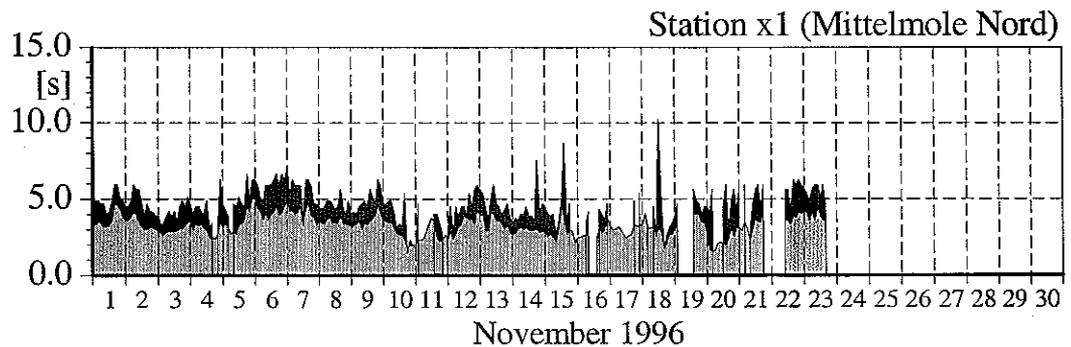
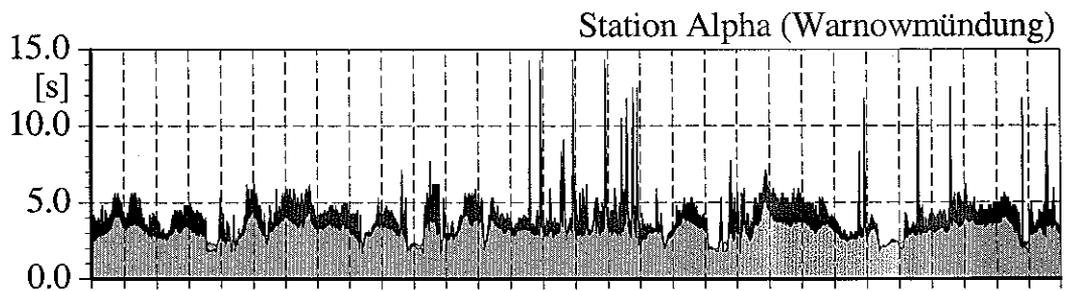


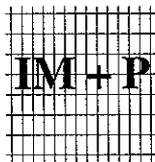
November 1996

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 30. 11. 1996



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 30. 11. 1996



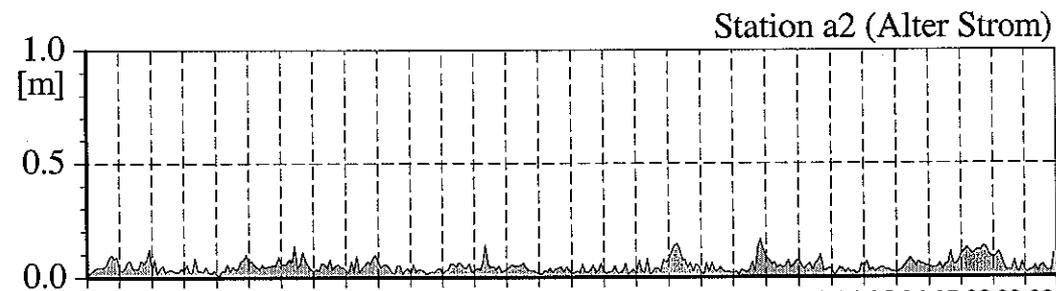
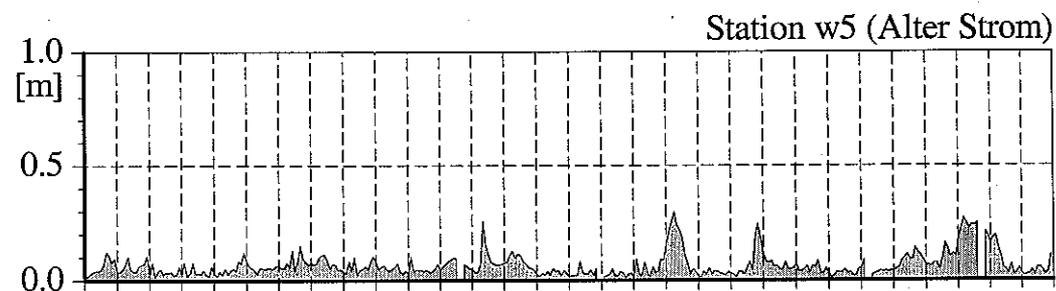
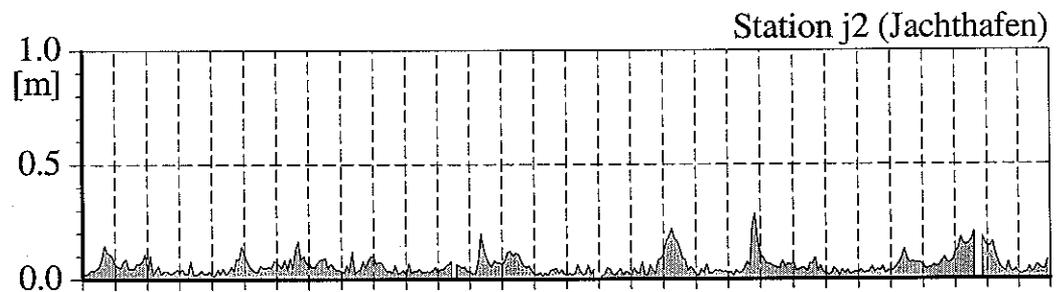
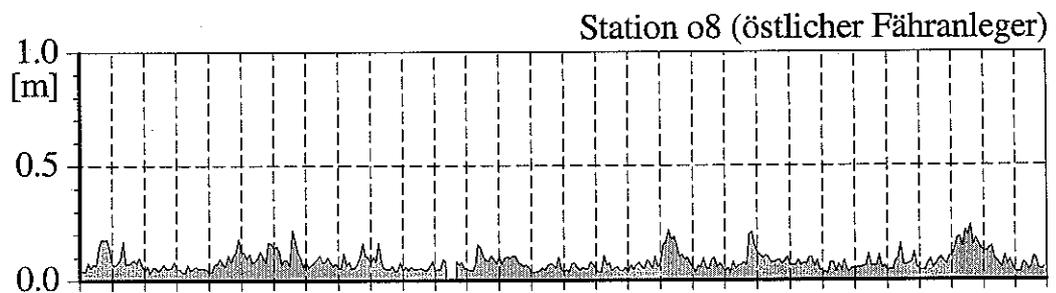
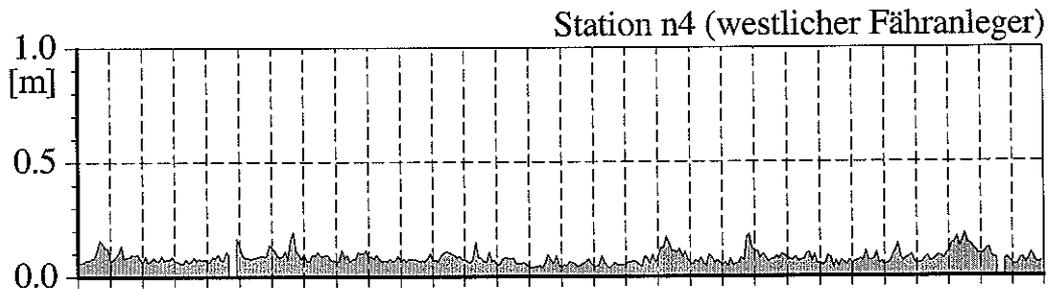


ZUFAHRT ZUM SEEHAFEN ROSTOCK

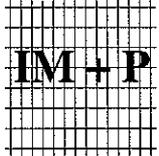
- Beweissicherung: Seegangsmessungen -

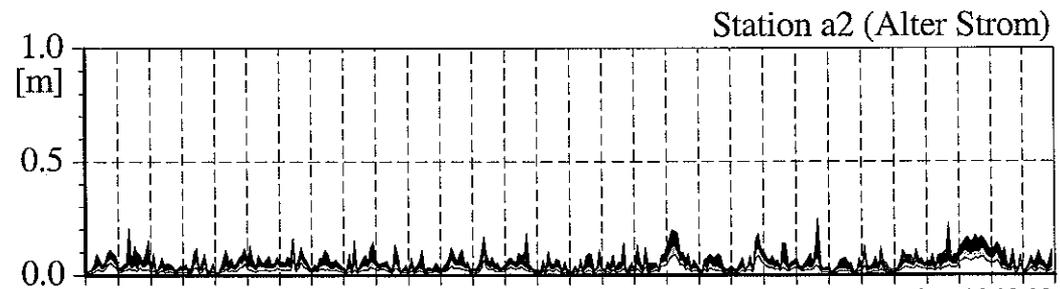
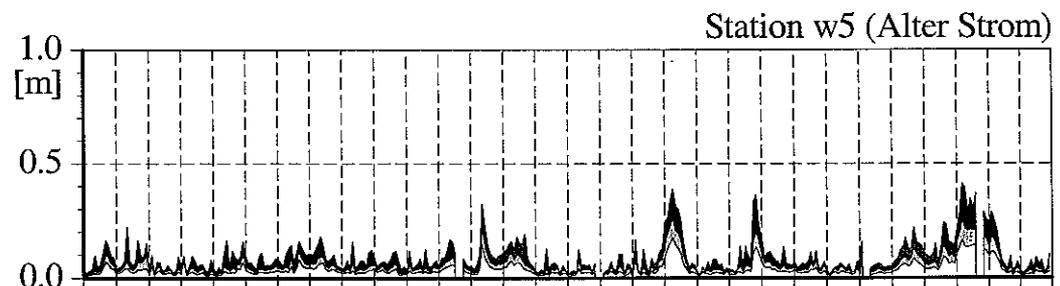
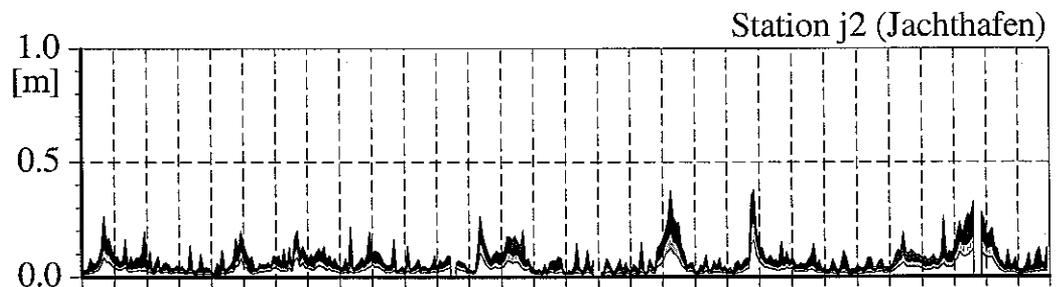
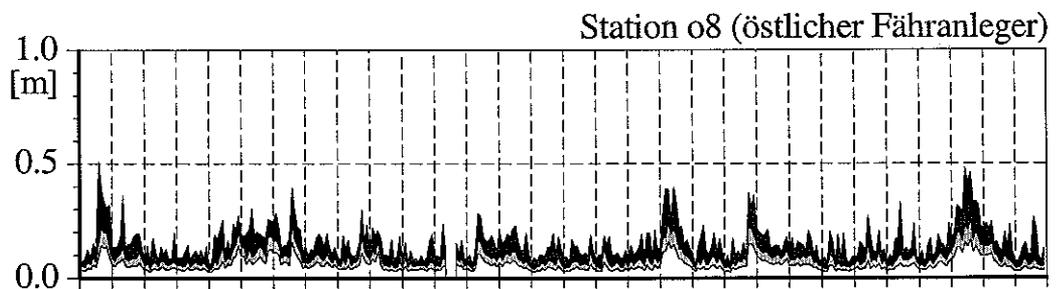
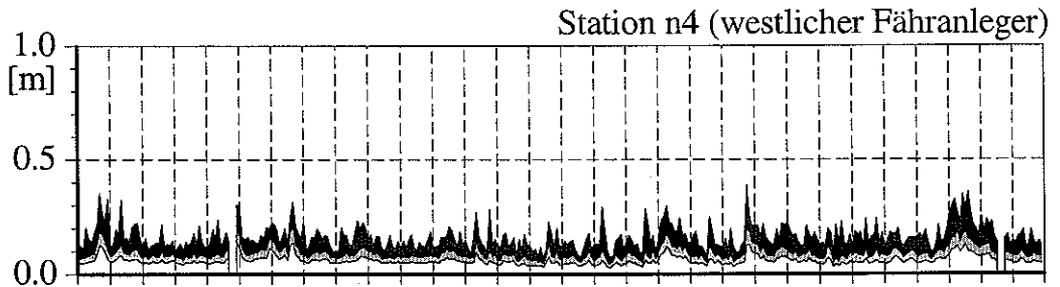
Wellenhöhe: H_{m0}

01. - 30. 11. 1996

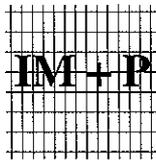


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
November 1996

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -			01. - 30. 11. 1996
	Wellenhöhe: H_m $H_{1/3}$ H_{max}			



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
November 1996

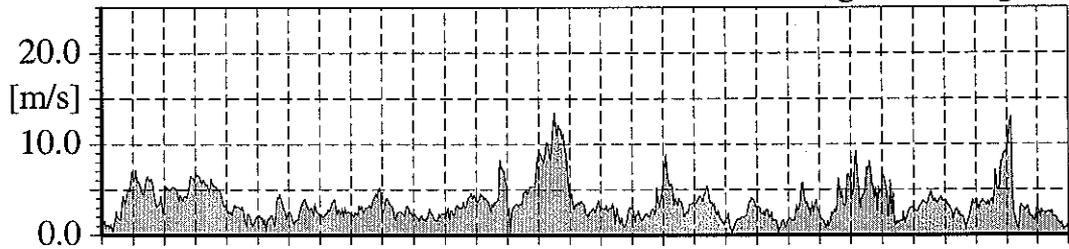


ZUFAHRT ZUM SEEHAFEN ROSTOCK

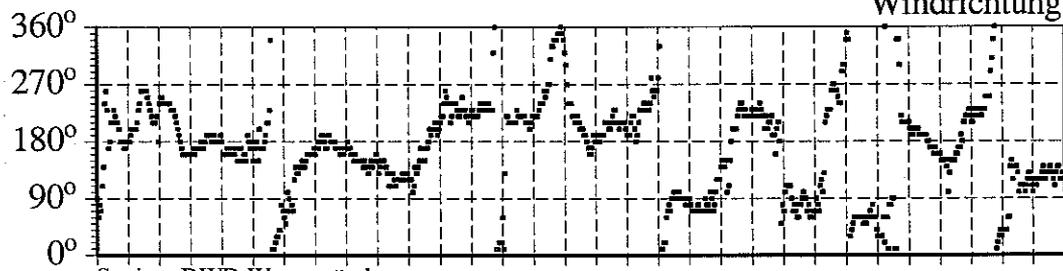
- Beweissicherung: Hydrologische Hauptwerte -

Wind - Seegang - Wasserstand 01. - 31. 12. 1996

Windgeschwindigkeit

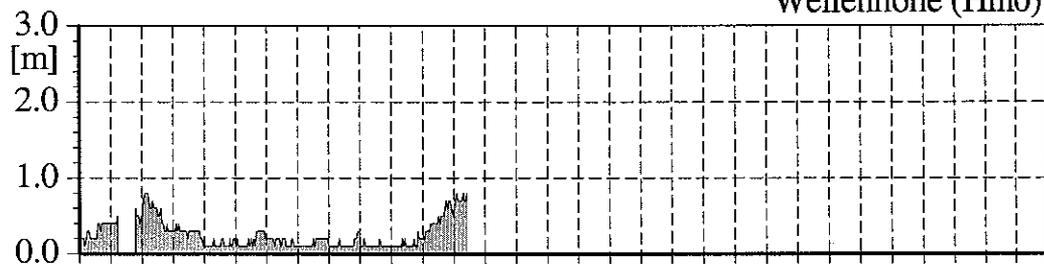


Windrichtung

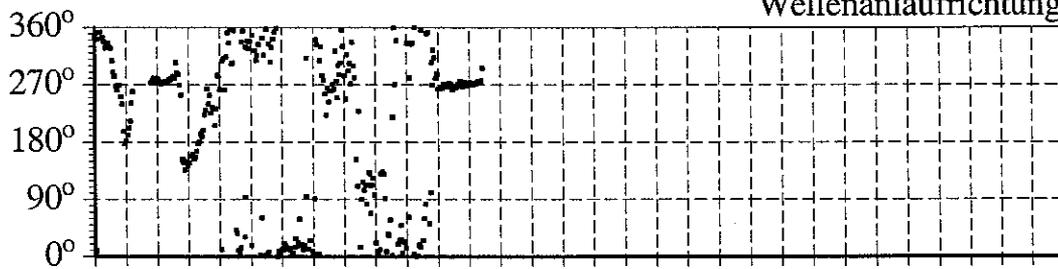


Station: DWD Warnemünde

Wellenhöhe (Hm0)

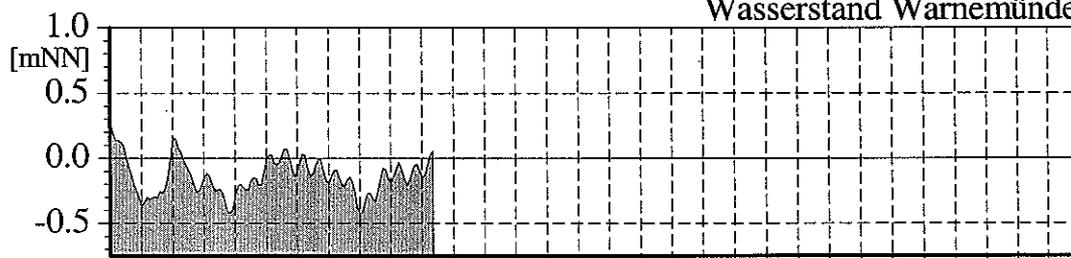


Wellenanlaufrichtung

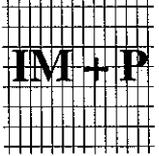


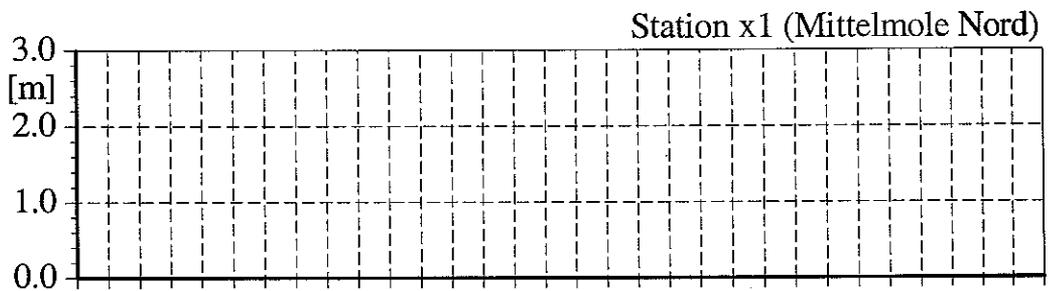
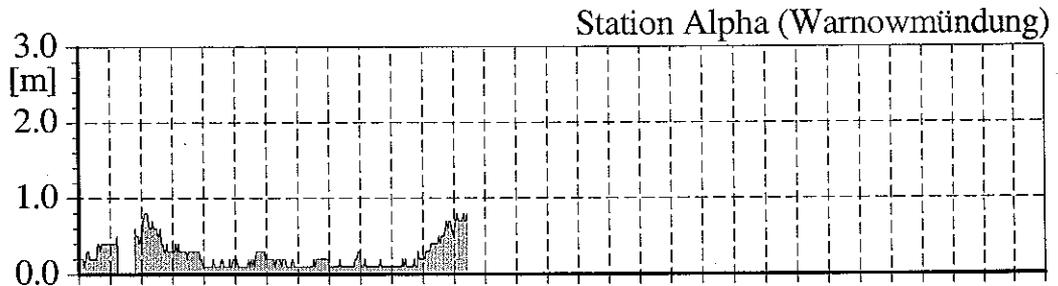
Station: Alpha (Warnowmündung)

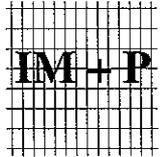
Wasserstand Warnemünde

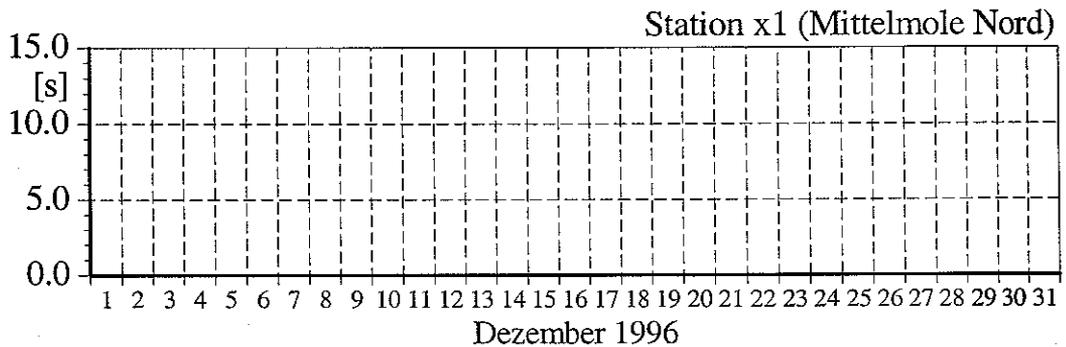
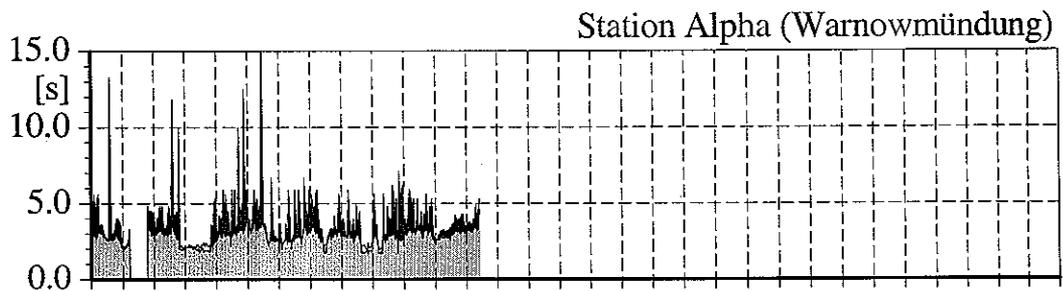


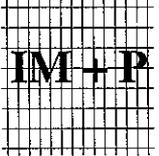
Dezember 1996

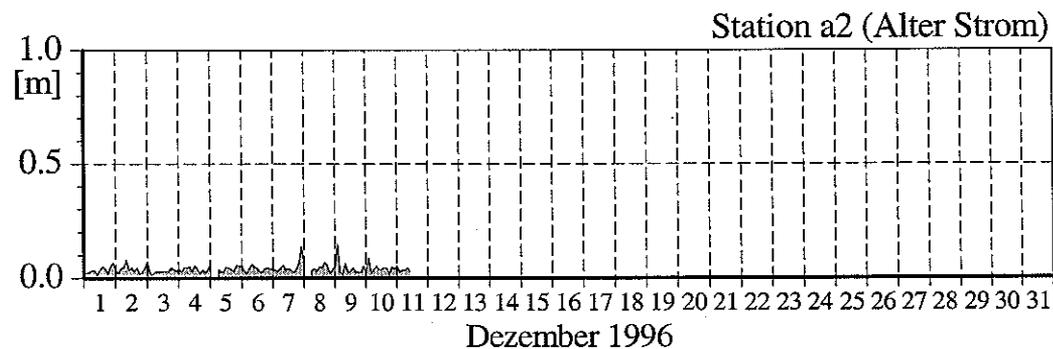
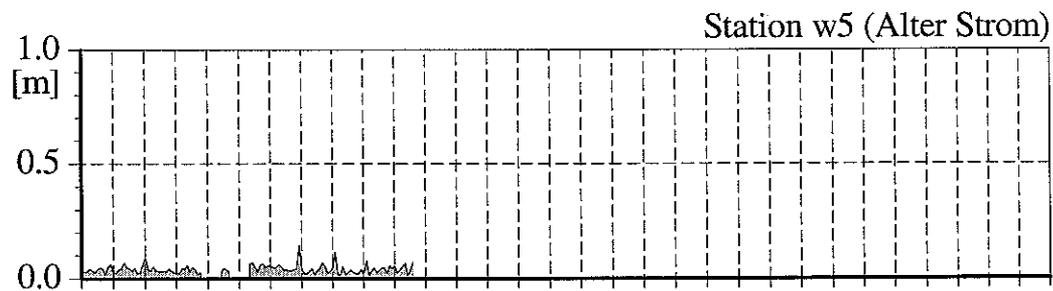
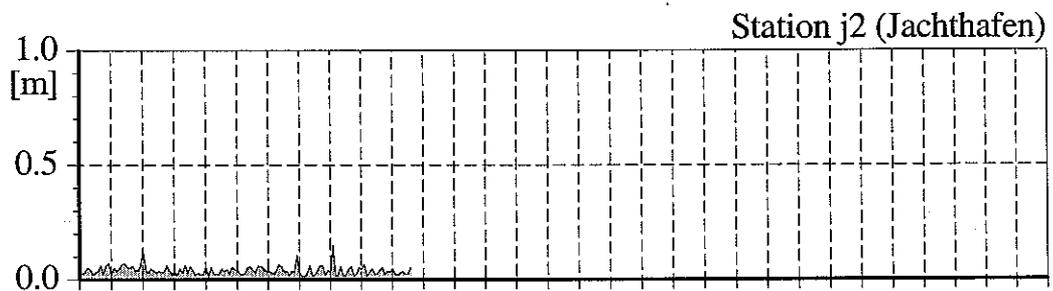
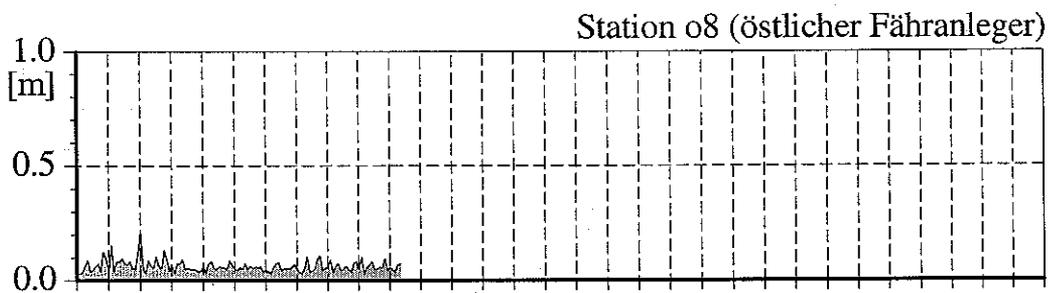
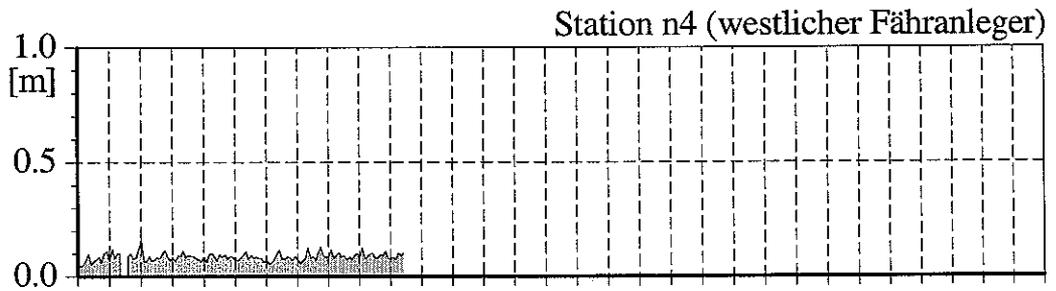
	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 12. 1996

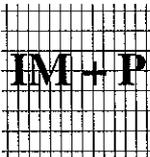


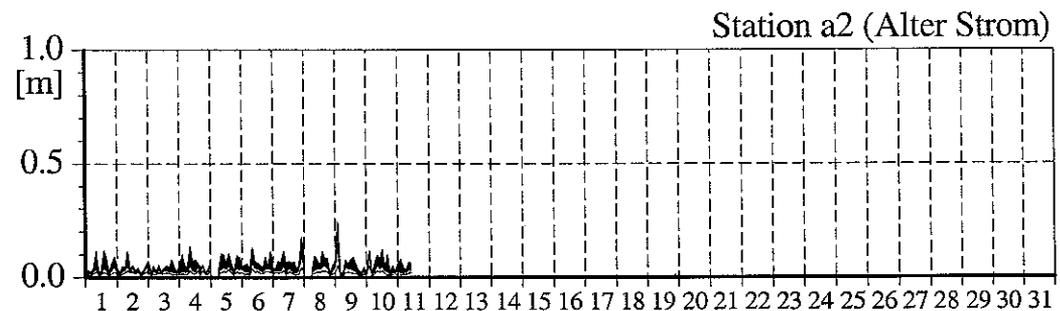
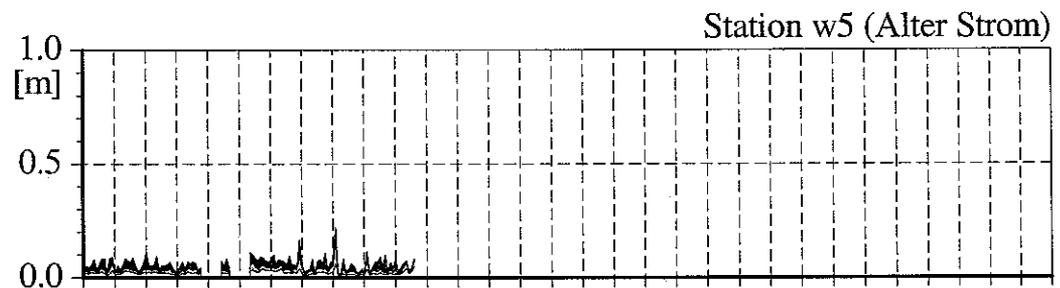
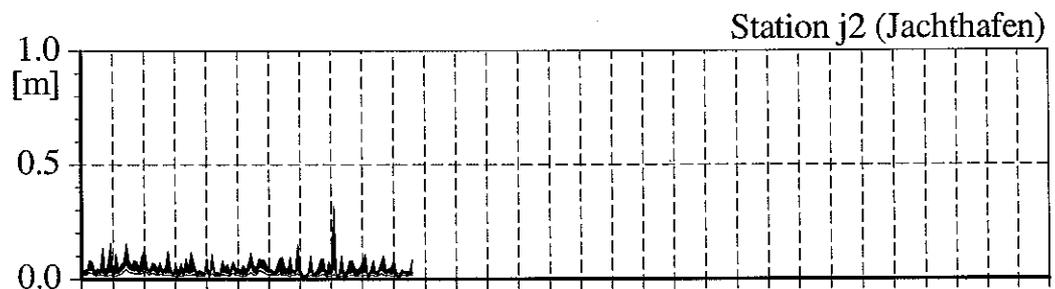
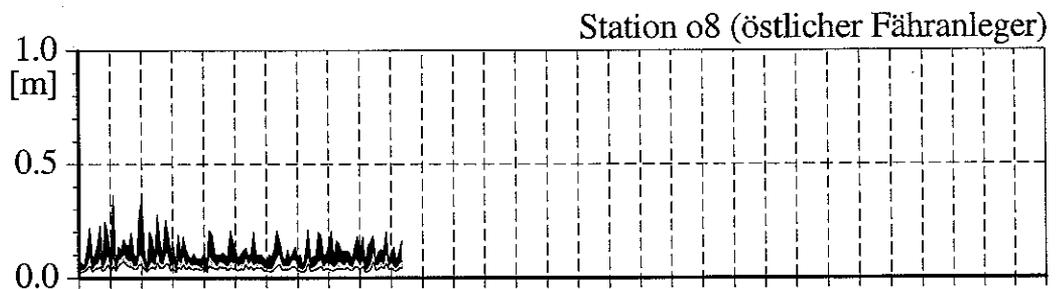
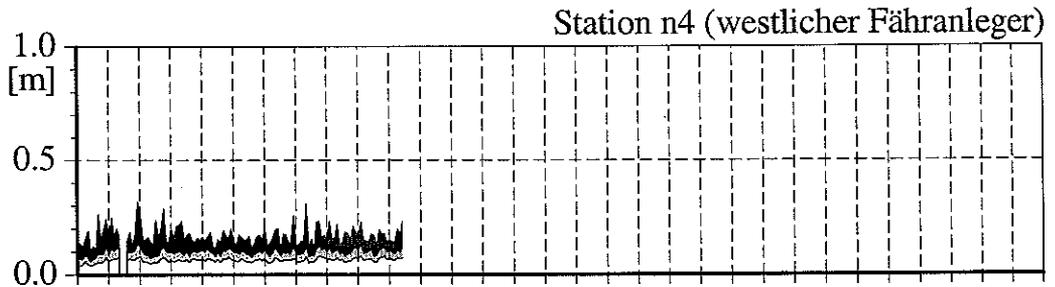
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	Wellenperiode:  T_{m02}  T_p	01. - 31. 12. 1996



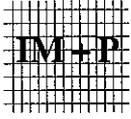
	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 12. 1996



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -			01. - 31. 12. 1996
	Wellenhöhe: H_m $H_{1/3}$ H_{max}			



Dezember 1996

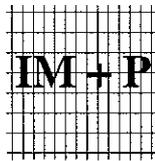


Ingenieurbüro Dr.-Ing. Manzenrieder und Partner GbR, Oldenburg

Ausbau d. Zufahrt z. Seehafen Rostock, Beweissicherung 1996, 1998/99 + 1999/2000

Anlage 2.2: Messkampagne II (1998/99)

(40 Seiten)

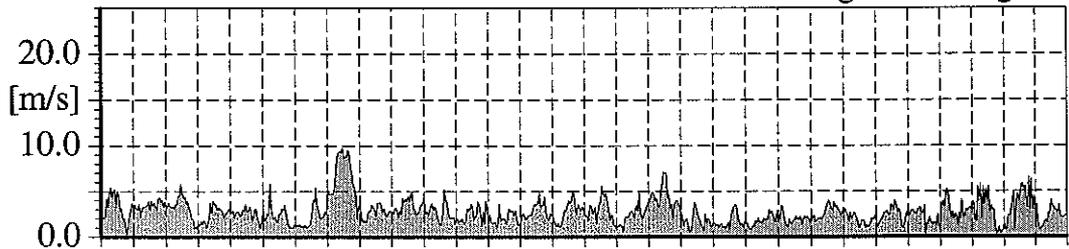


ZUFAHRT ZUM SEEHAFEN ROSTOCK

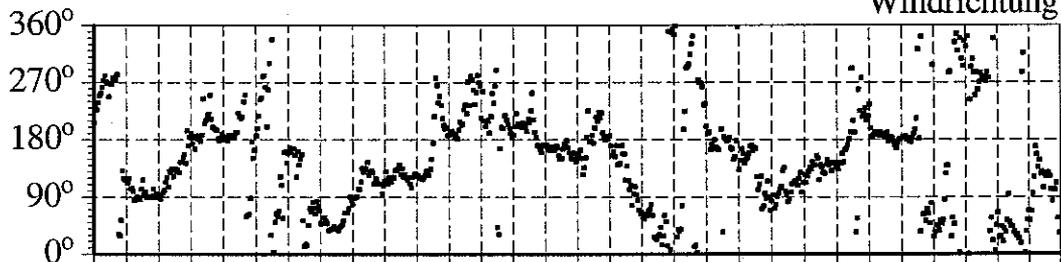
- Beweissicherung: Hydrologische Hauptwerte -

Wind - Seegang - Wasserstand | 01. - 30. 04. 1998

Windgeschwindigkeit

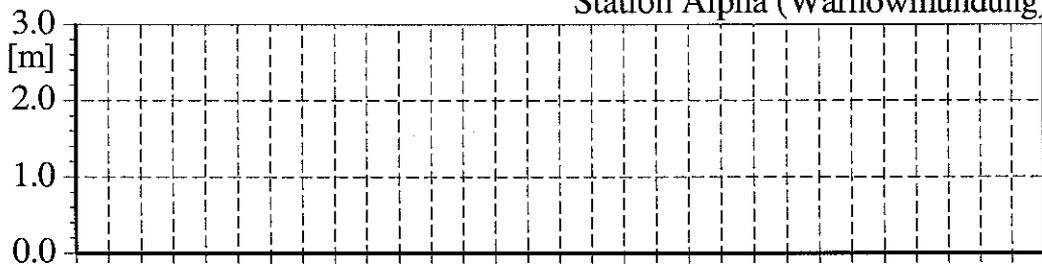


Windrichtung

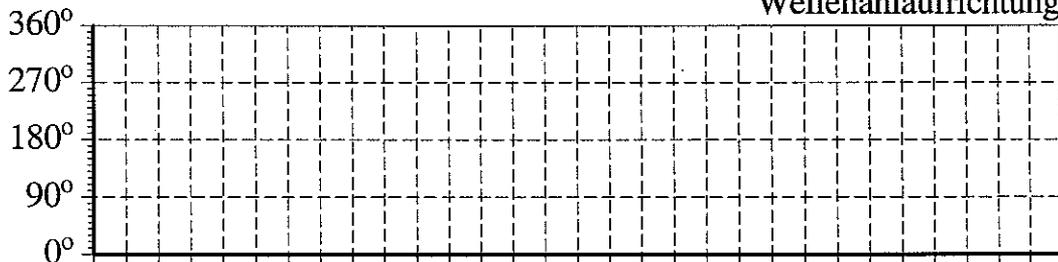


Station: Meßbrücke Warnemünde

Station Alpha (Warnowmündung)

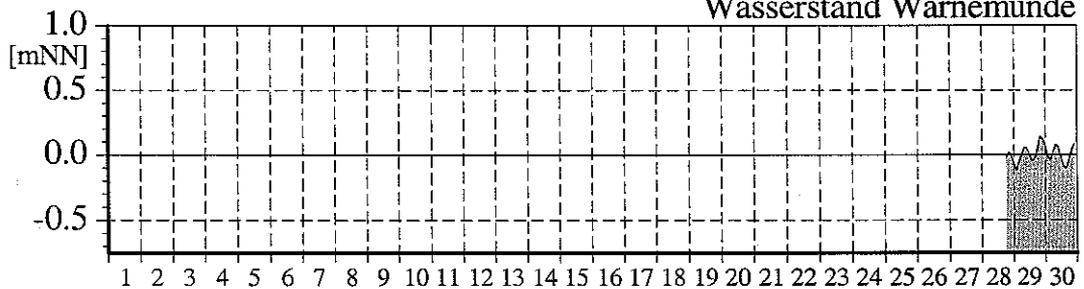


Wellenanlaufrichtung

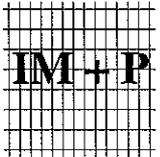


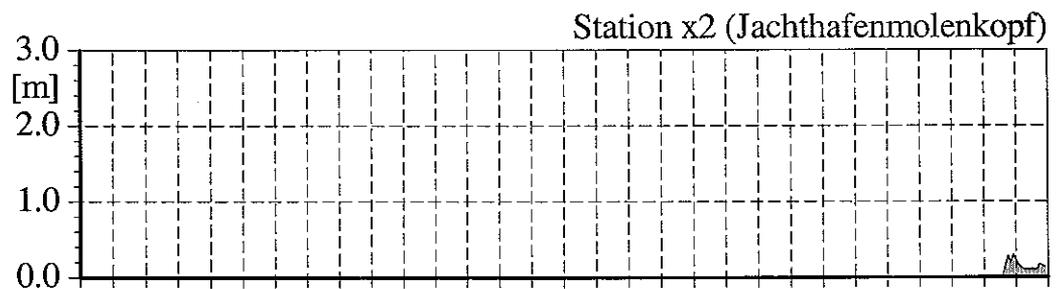
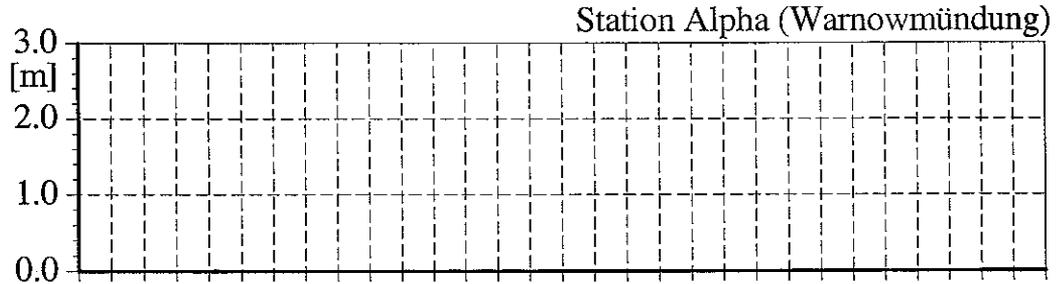
Station: Alpha (Warnowmündung)

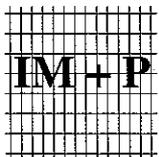
Wasserstand Warnemünde

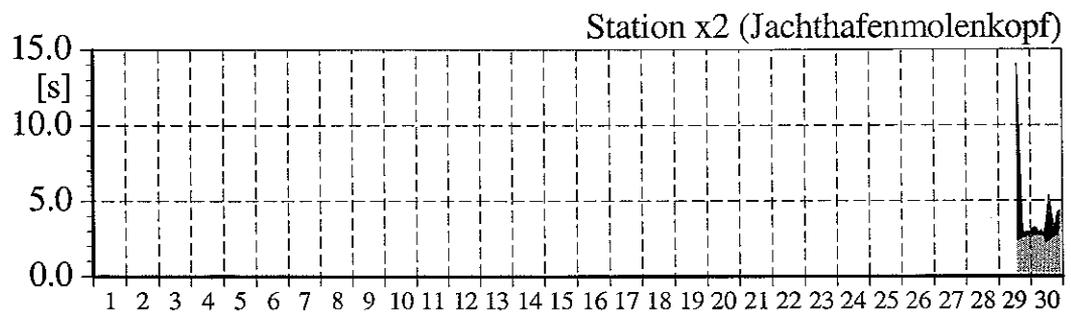
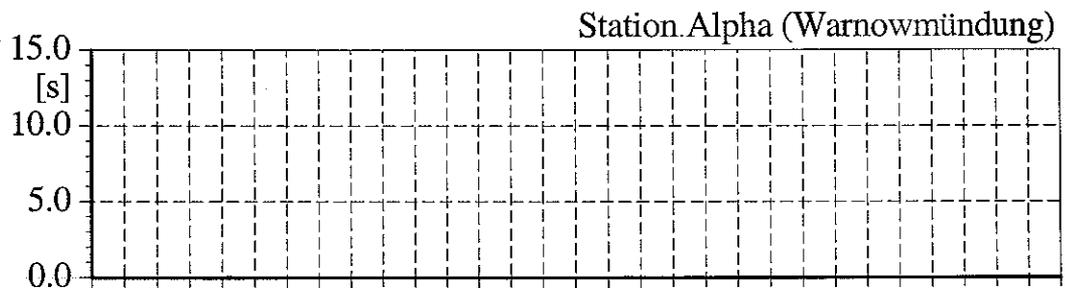


April 1998

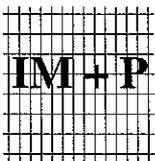
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	Wellenhöhe: H_{m0}	01. - 30. 04. 1998

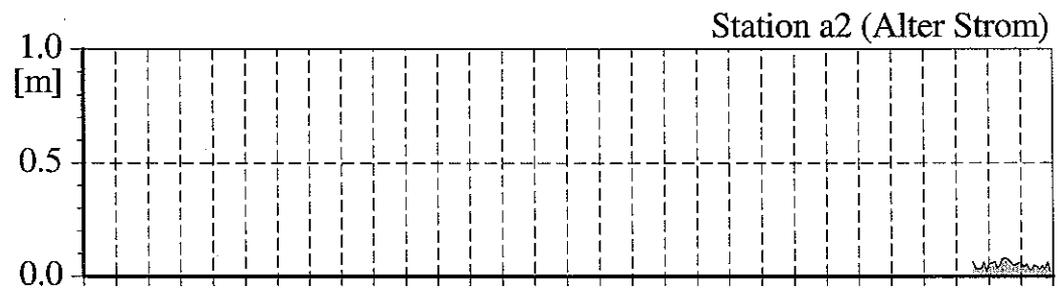
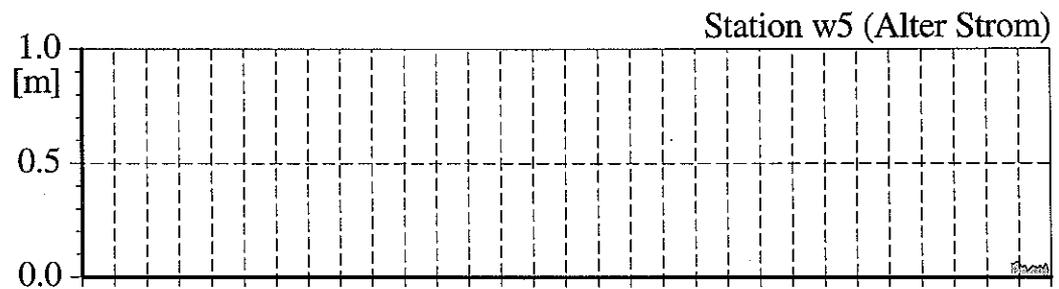
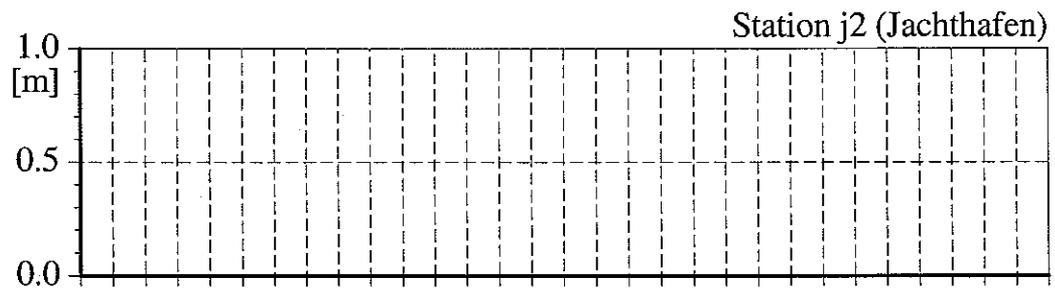
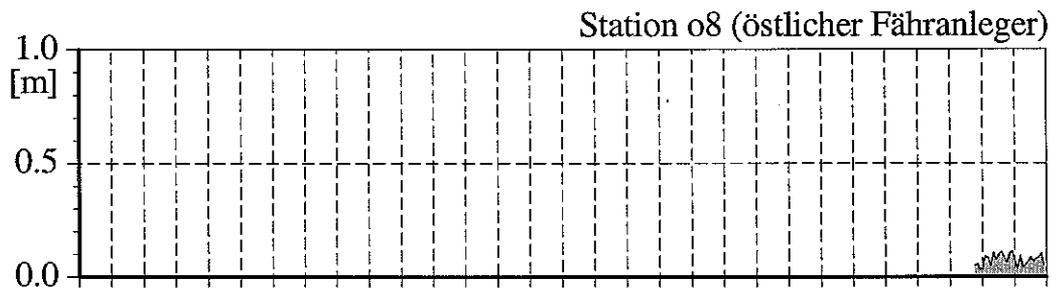
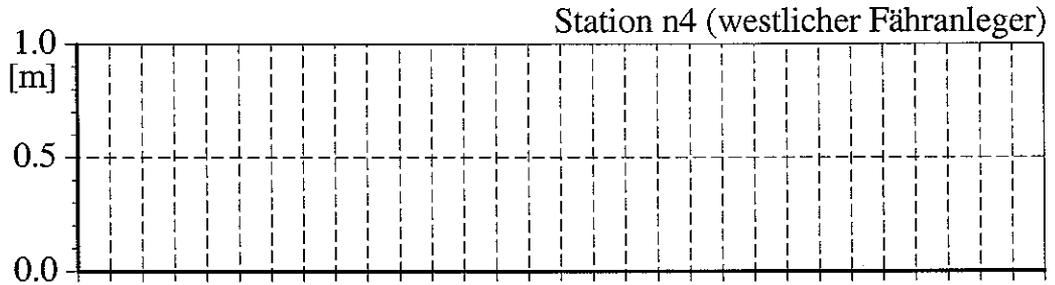


	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 30. 04. 1998

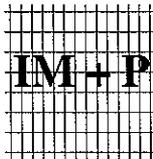


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
 April 1998

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 30. 04. 1998



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
 April 1998

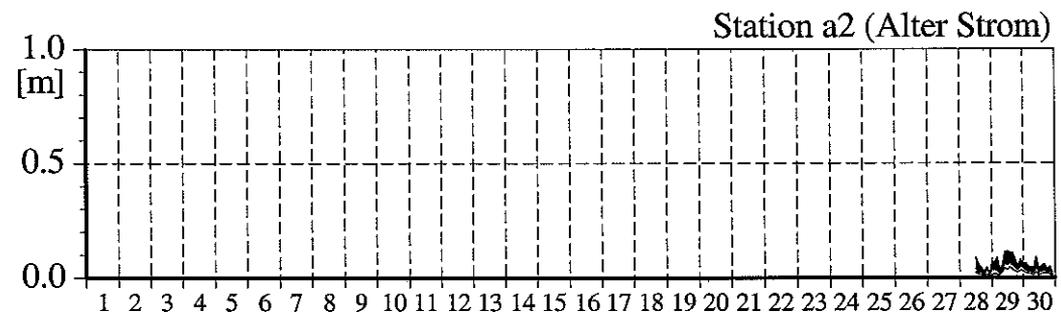
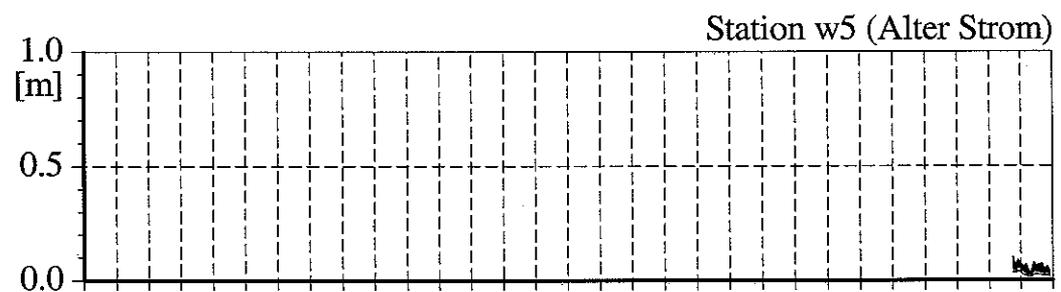
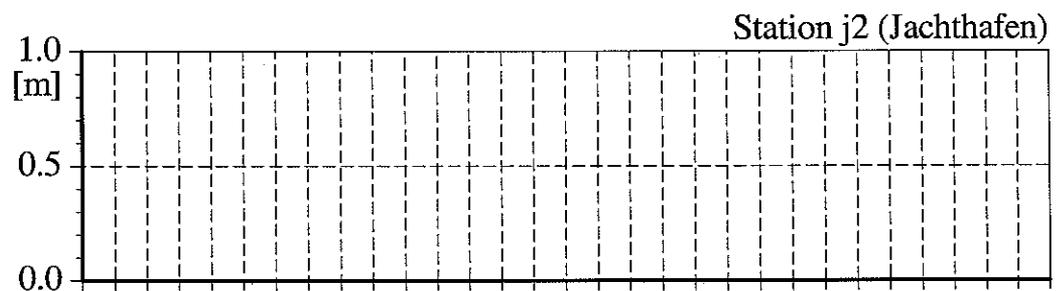
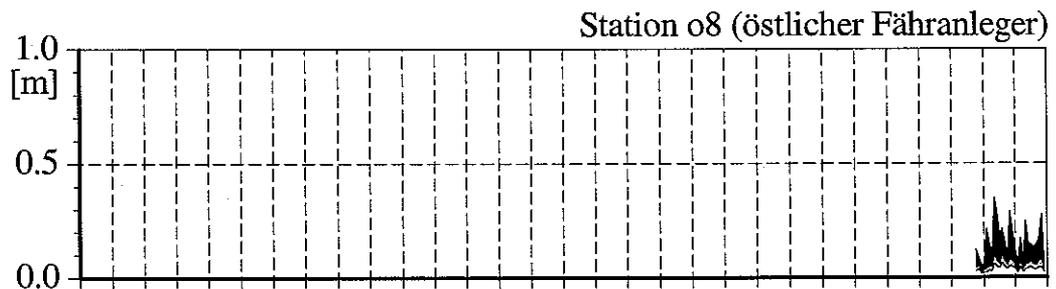
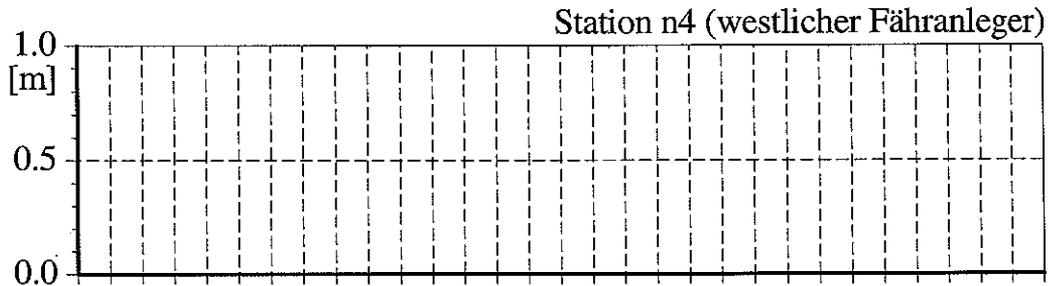


ZUFAHRT ZUM SEEHAFEN ROSTOCK

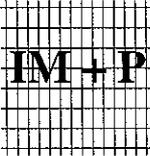
- Beweissicherung: Seegangsmessungen -

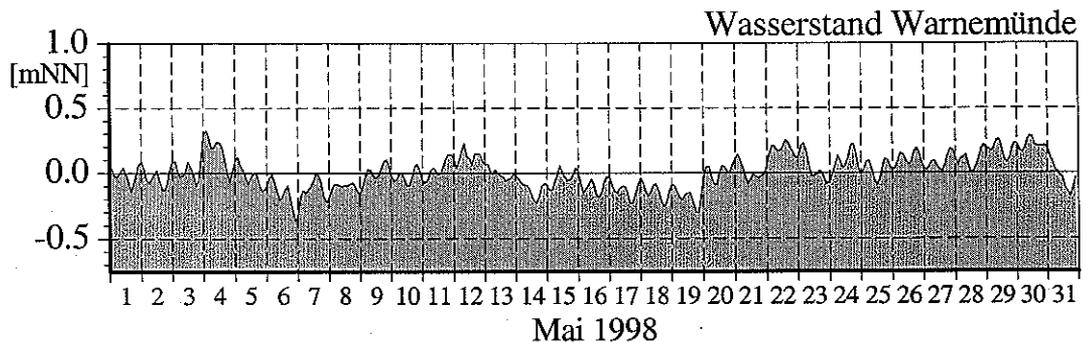
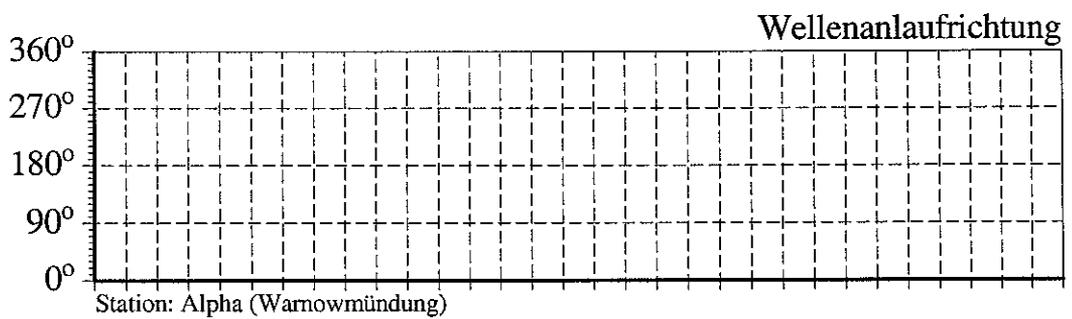
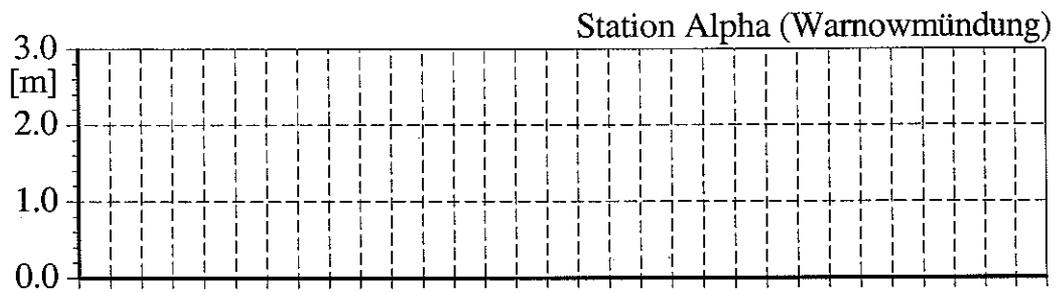
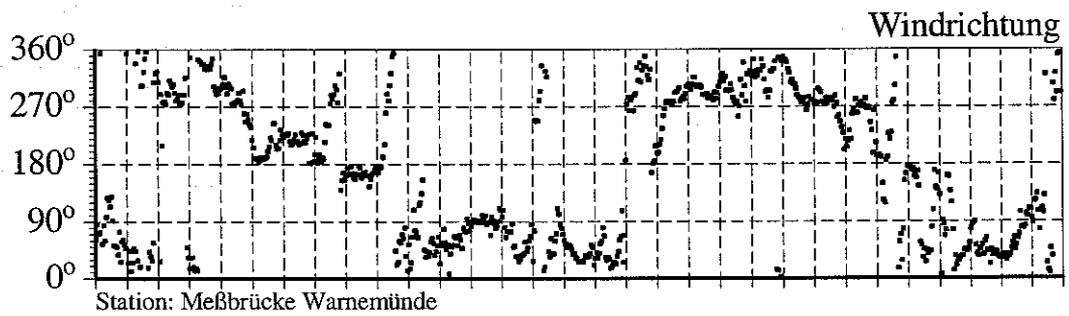
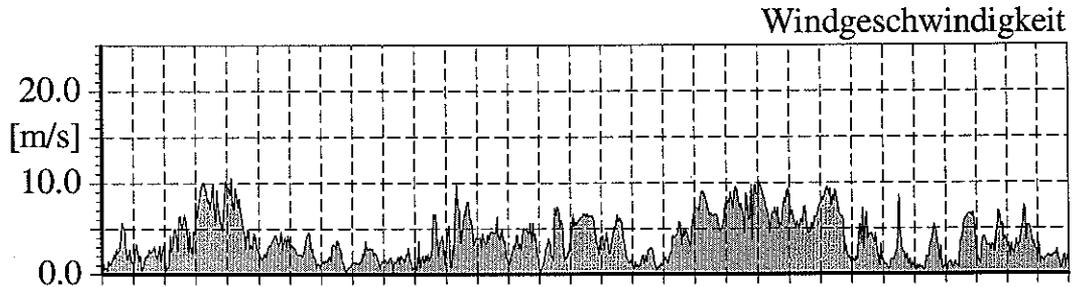
Wellenhöhe: H_m $H_{1/3}$ H_{max}

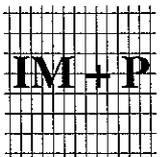
01. - 30. 04. 1998

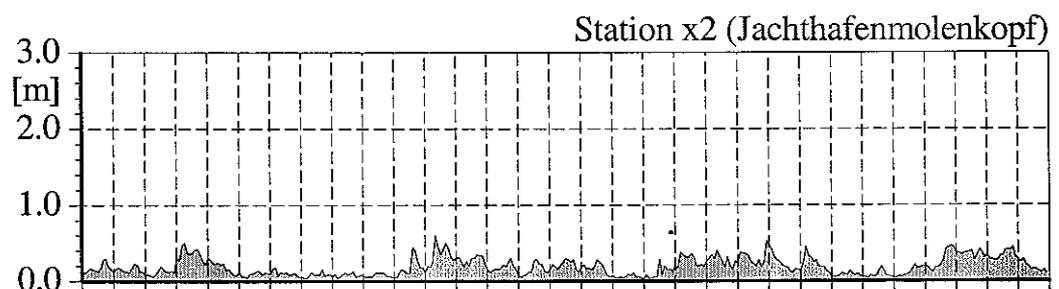
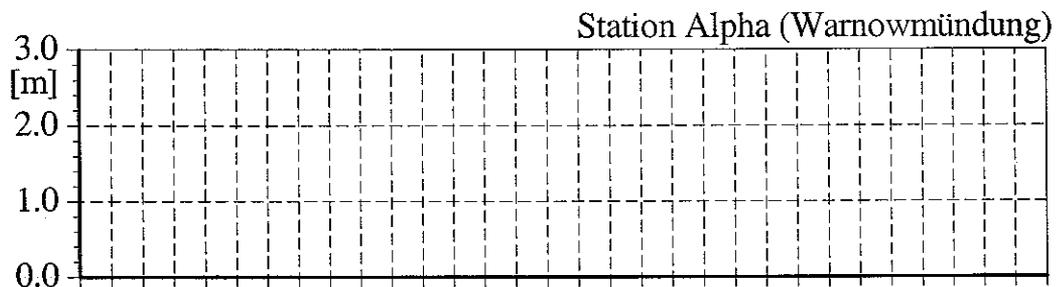


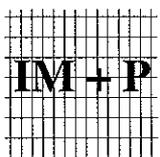
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April 1998

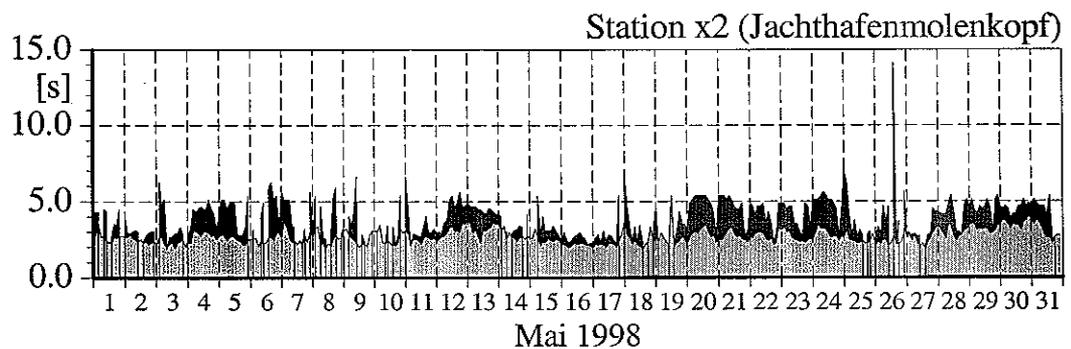
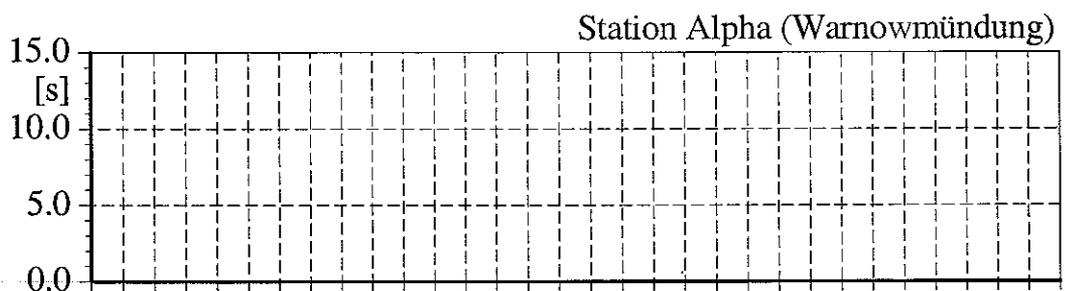
	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Hydrologische Hauptwerte -	
	Wind - Seegang - Wasserstand	01. - 31. 05. 1998

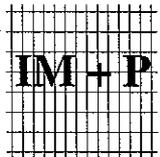


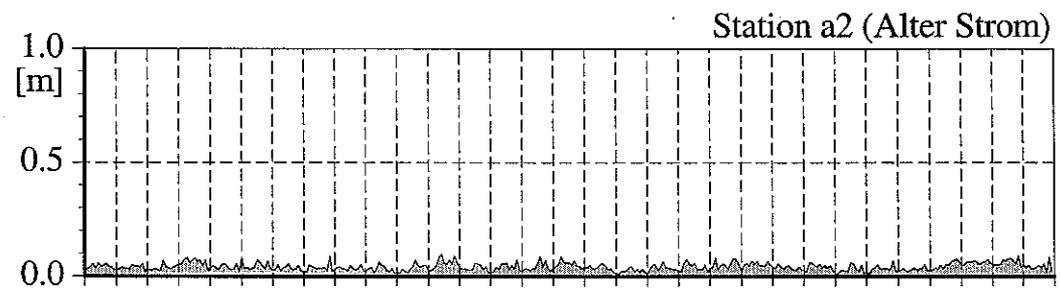
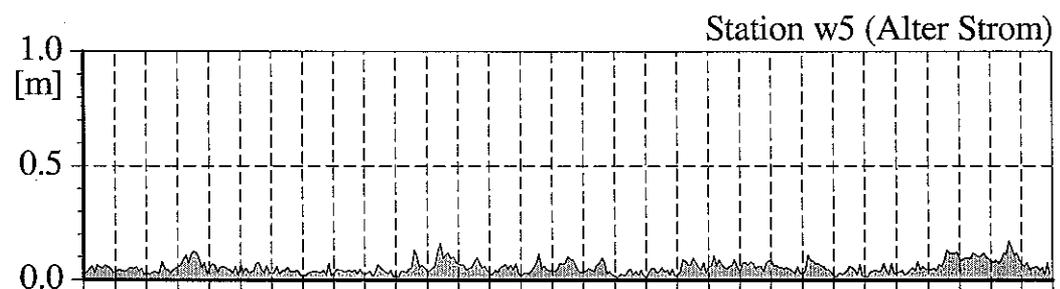
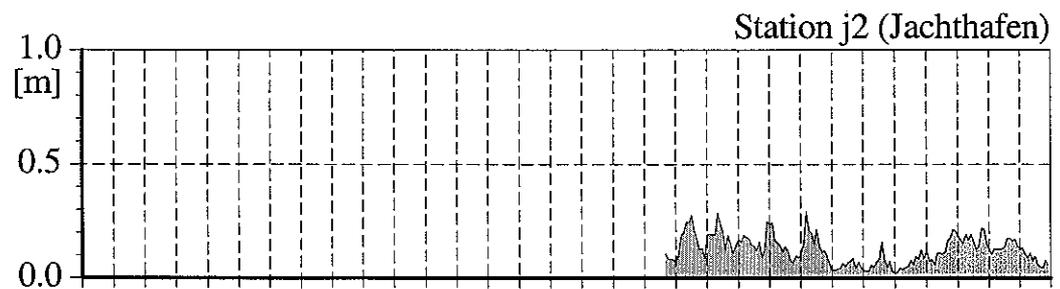
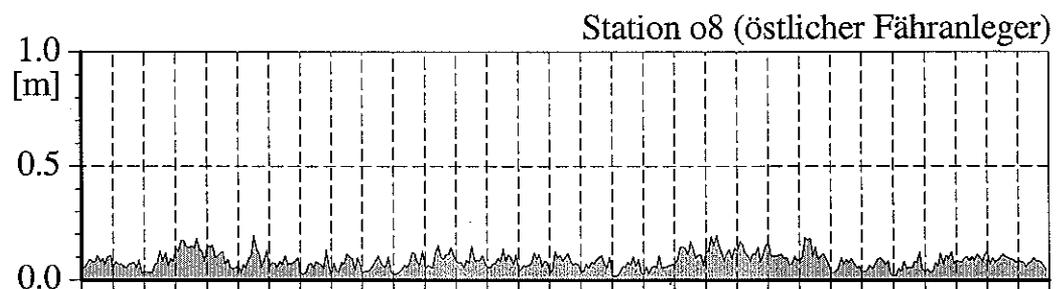
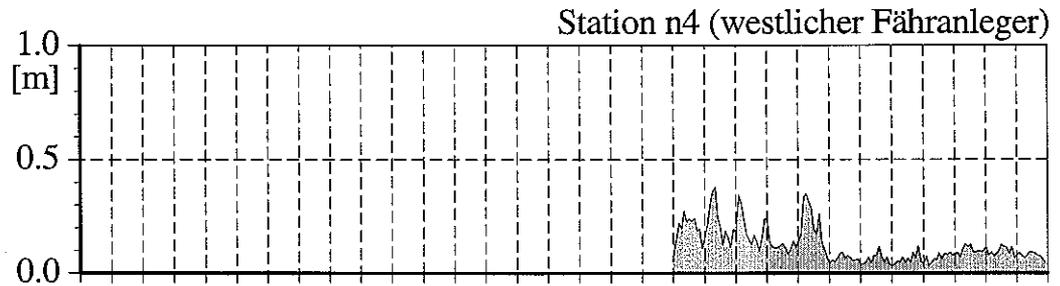
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	Wellenhöhe: H_{m0}	01. - 31. 05. 1998



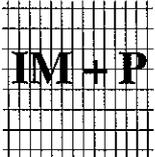
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	Wellenperiode:  T_{m02}  T_p	01. - 31. 05. 1998

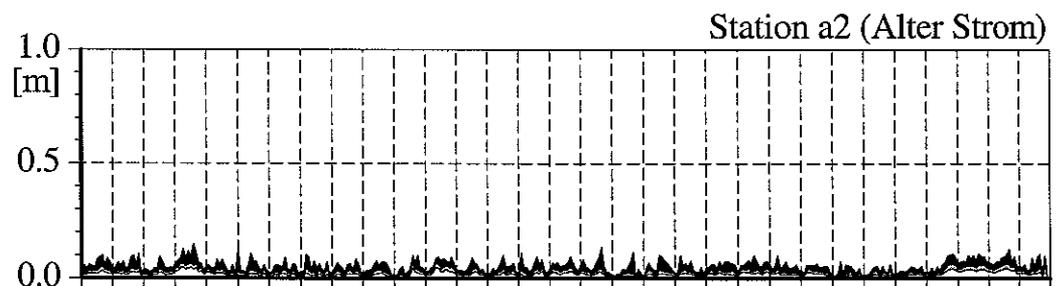
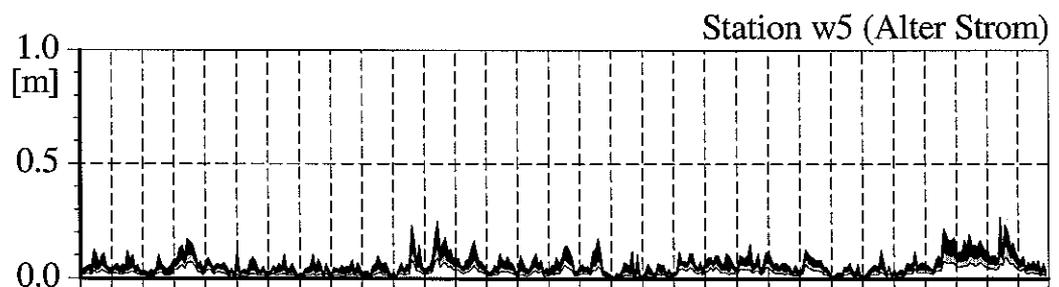
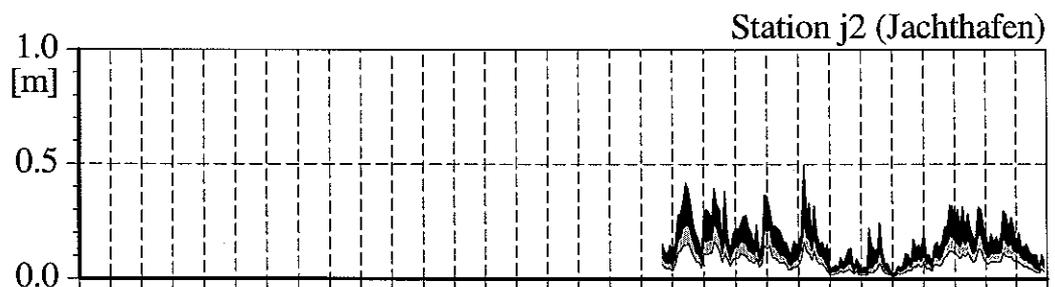
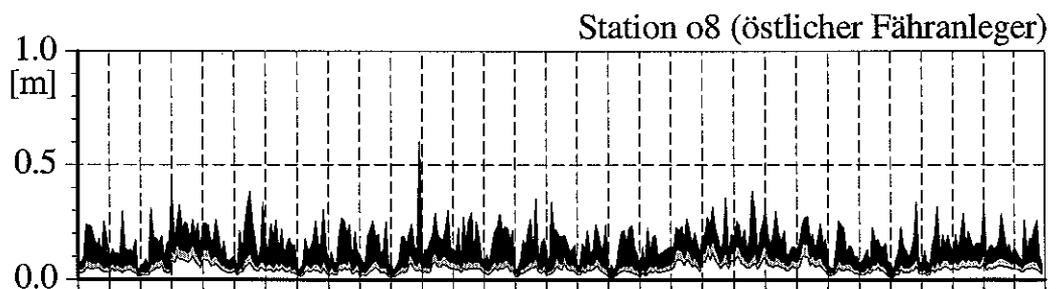
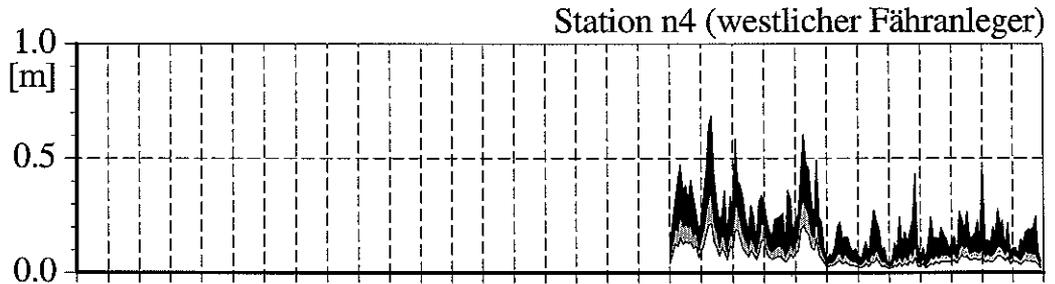


	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 05. 1998

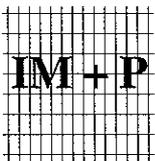


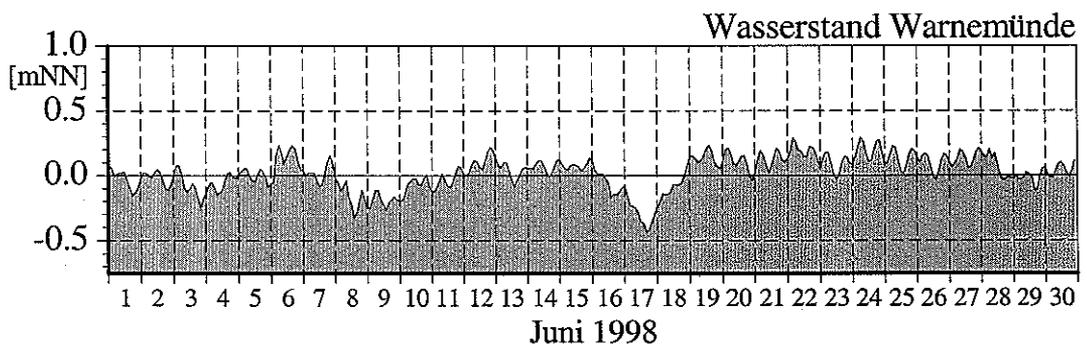
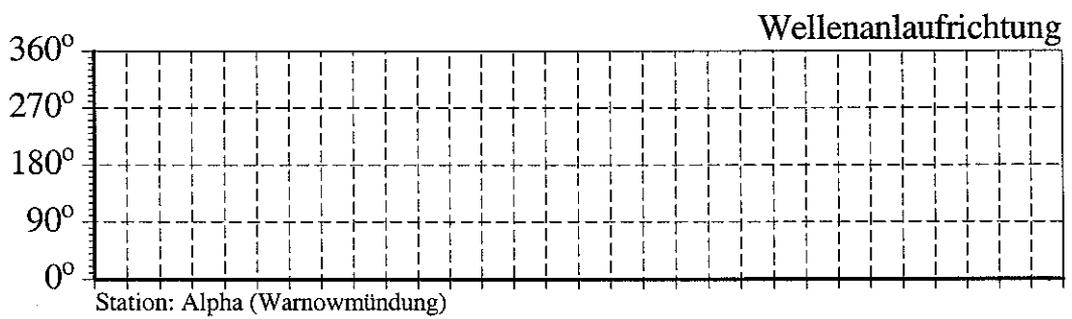
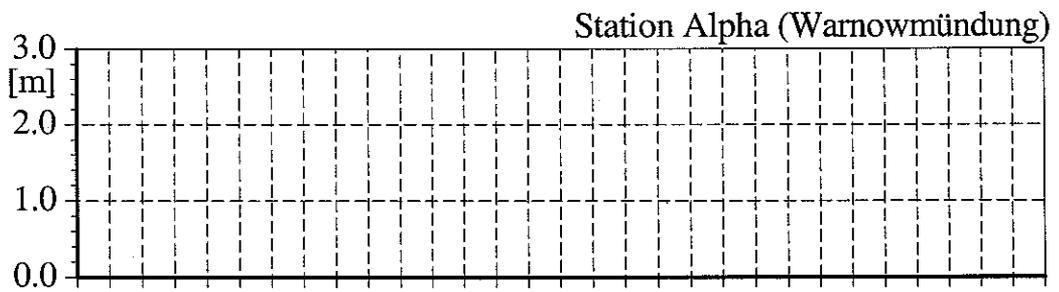
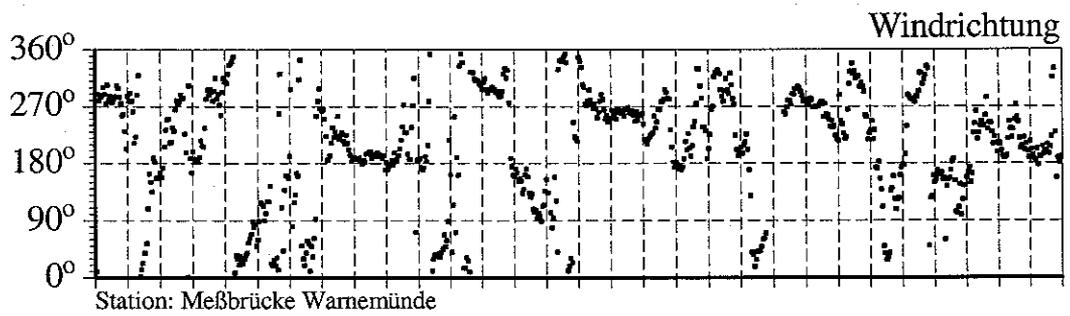
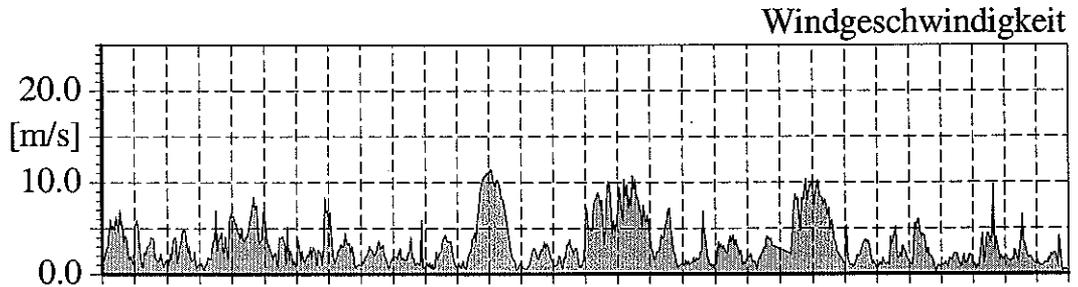
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 Mai 1998

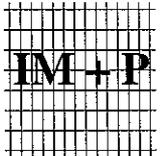
	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -		01. - 31. 05. 1998
	Wellenhöhe: H_m $H_{1/3}$ H_{max}		

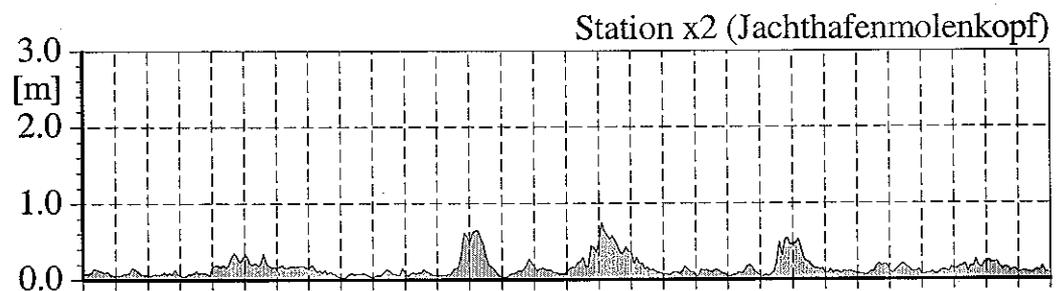
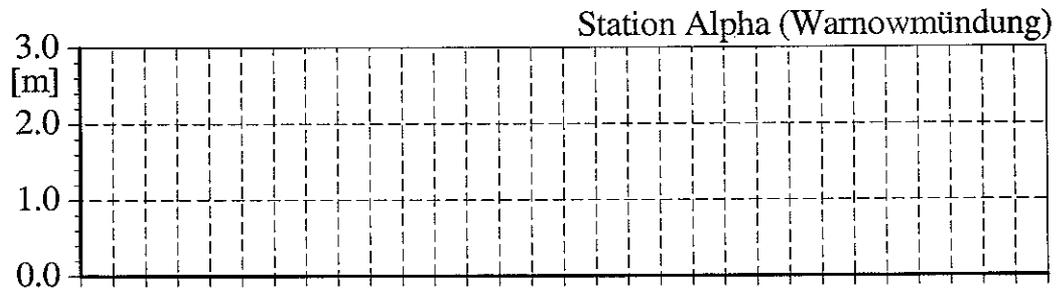


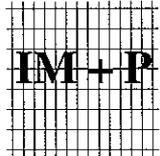
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 Mai 1998

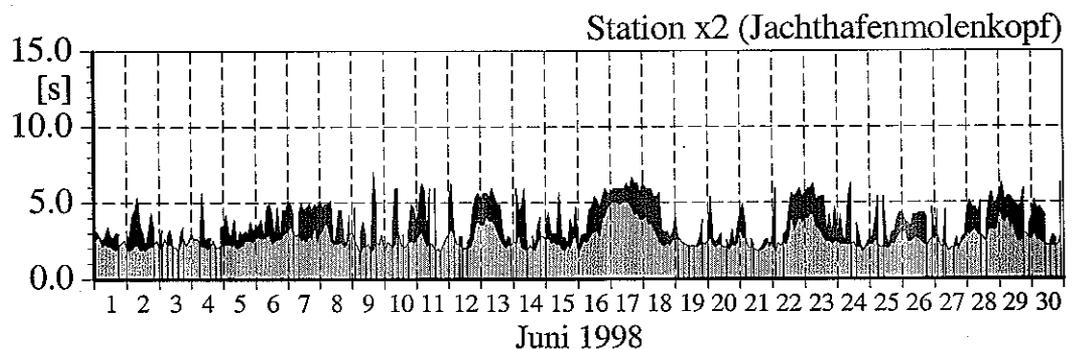
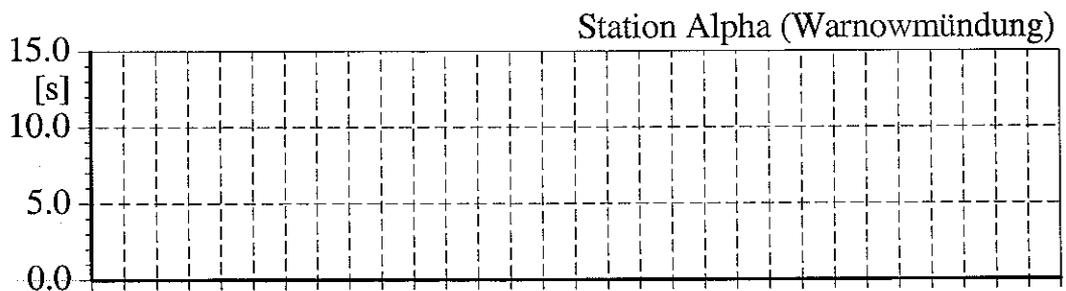
	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Hydrologische Hauptwerte -	
	Wind - Seegang - Wasserstand	01. - 30. 06. 1998

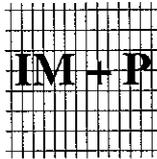


	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 30. 06. 1998



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 30. 06. 1998





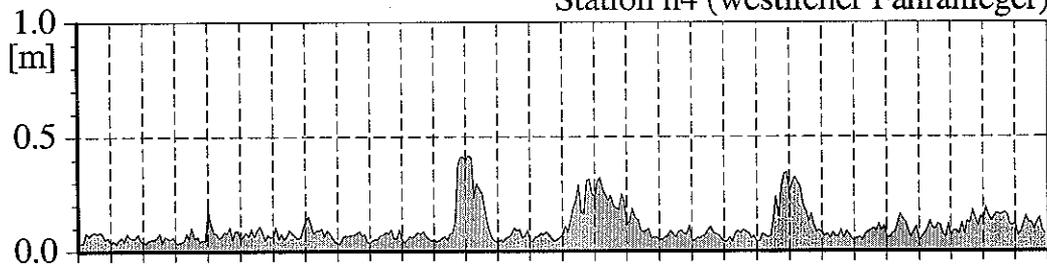
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

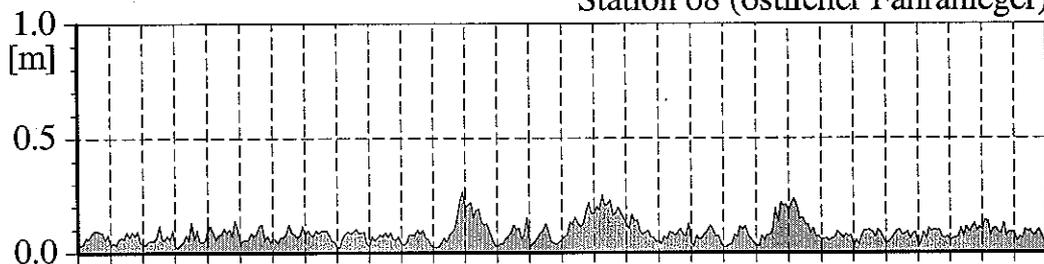
Wellenhöhe: H_{m0}

01. - 30. 06. 1998

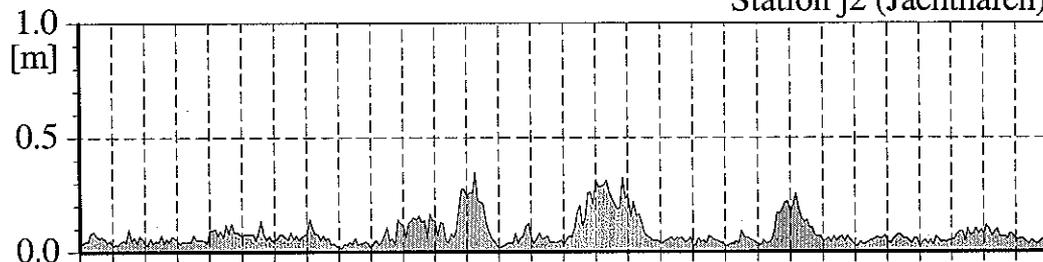
Station n4 (westlicher Fähranleger)



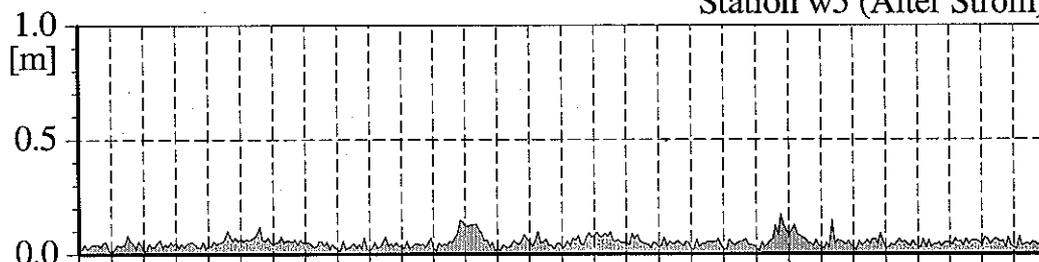
Station o8 (östlicher Fähranleger)



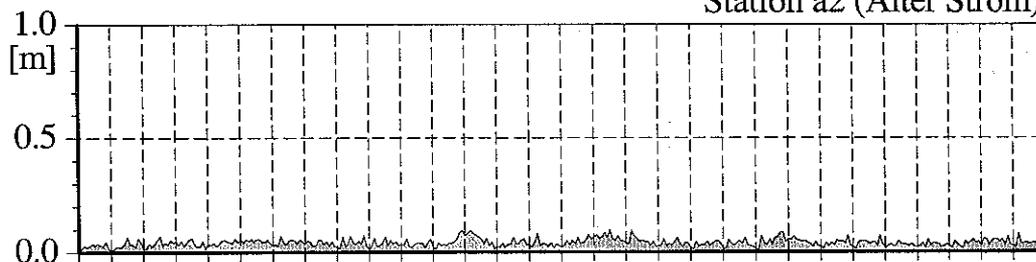
Station j2 (Jachthafen)



Station w5 (Alter Strom)

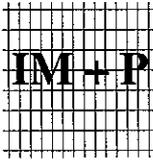


Station a2 (Alter Strom)



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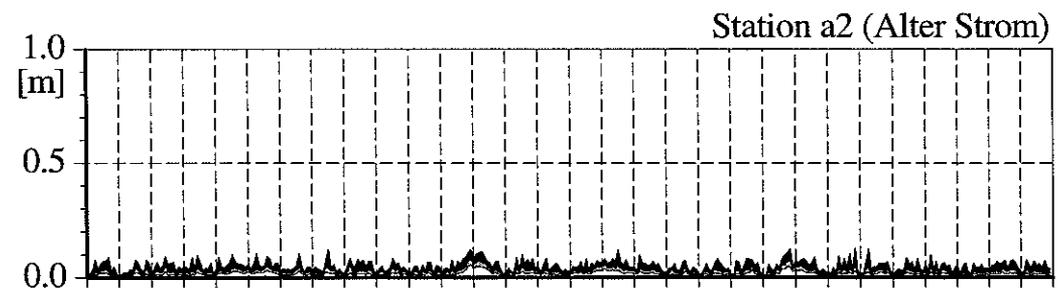
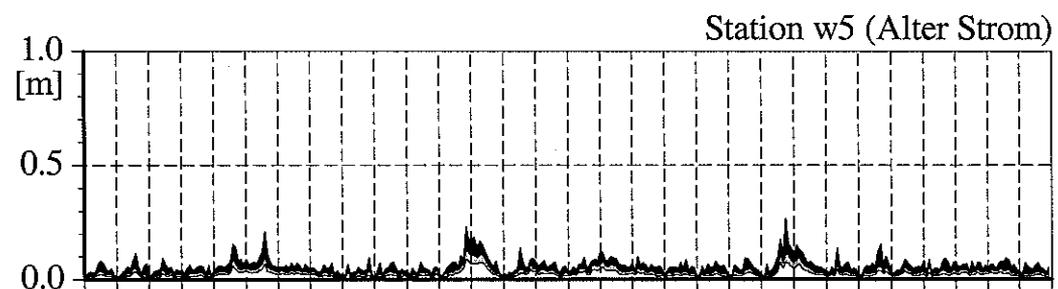
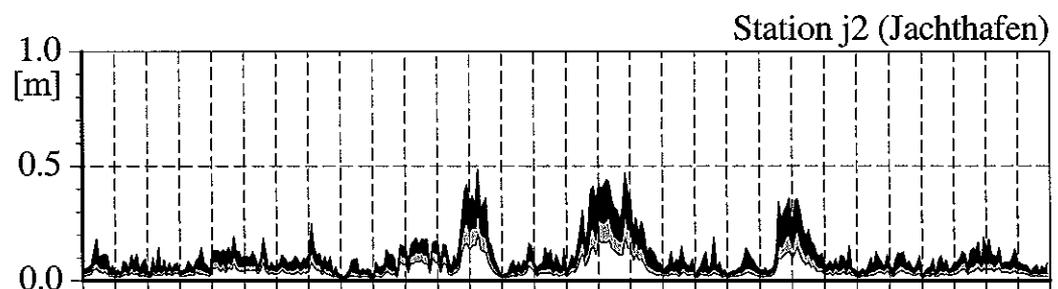
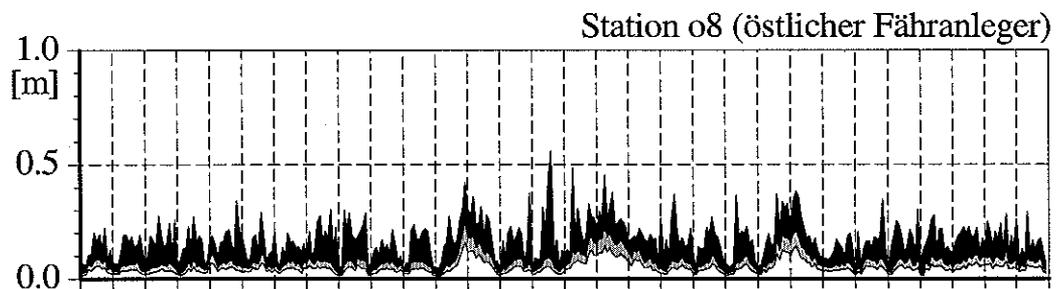
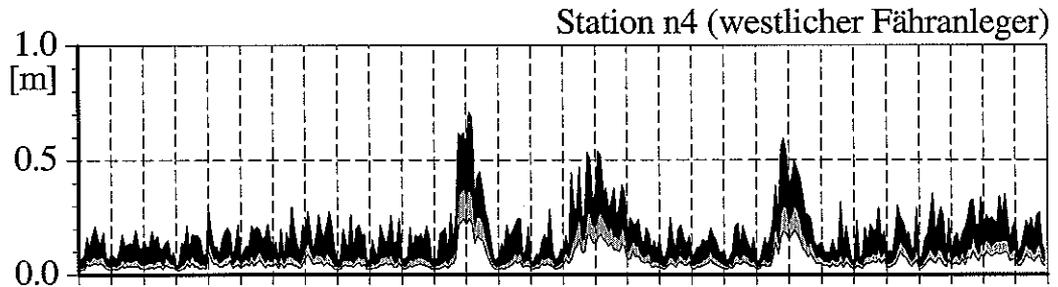
Juni 1998



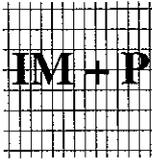
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max} 01. - 30. 06. 1998



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Juni 1998



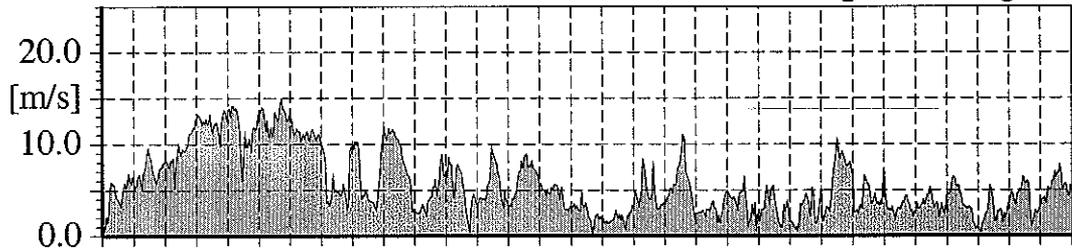
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Hydrologische Hauptwerte -

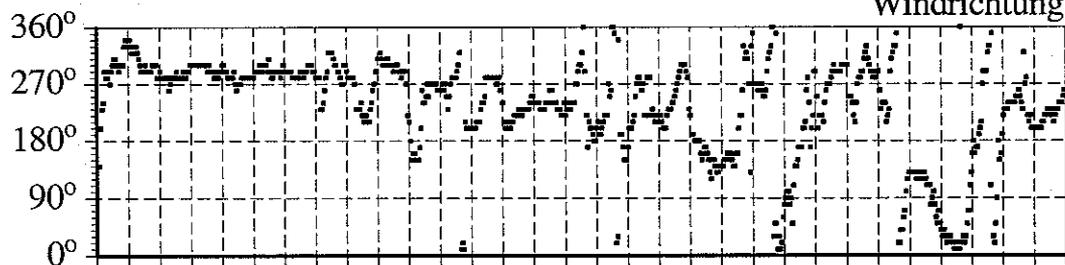
Wind - Seegang - Wasserstand

01. - 31. 07. 1998

Windgeschwindigkeit

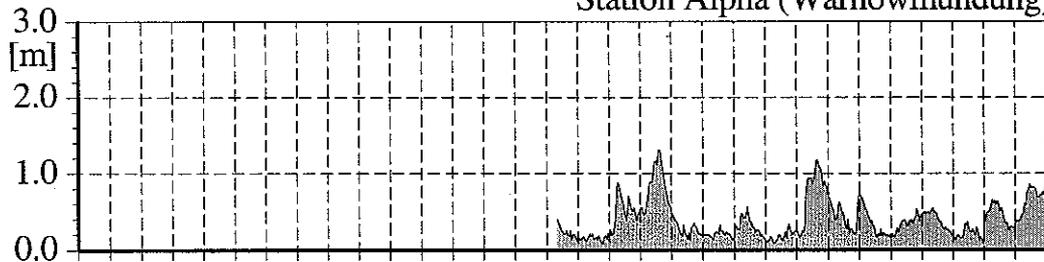


Windrichtung

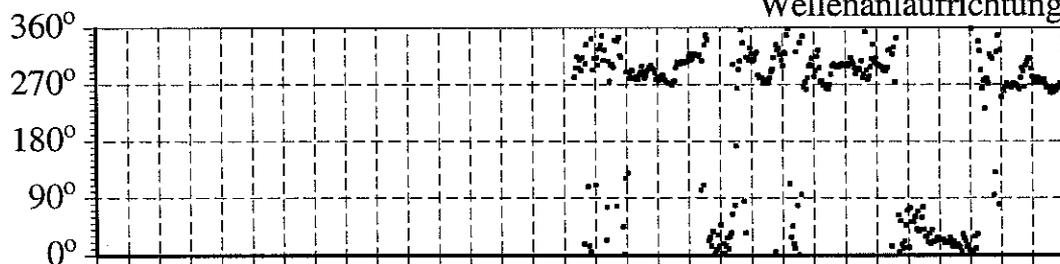


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

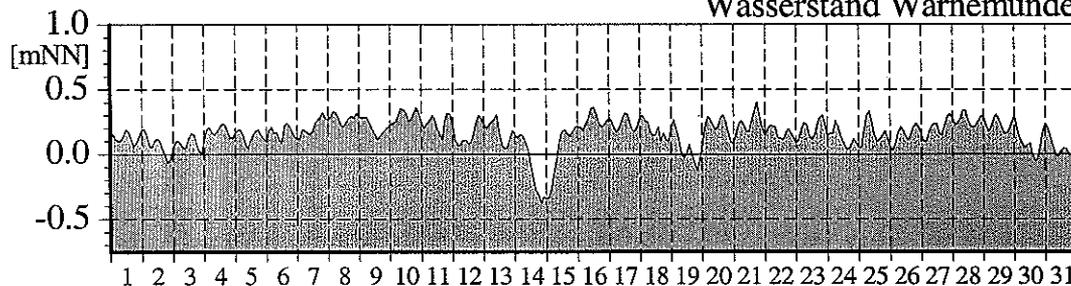


Wellenanlaufrichtung

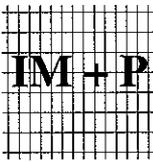


Station: Alpha (Warnowmündung)

Wasserstand Warnemünde



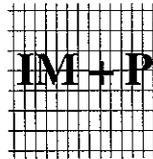
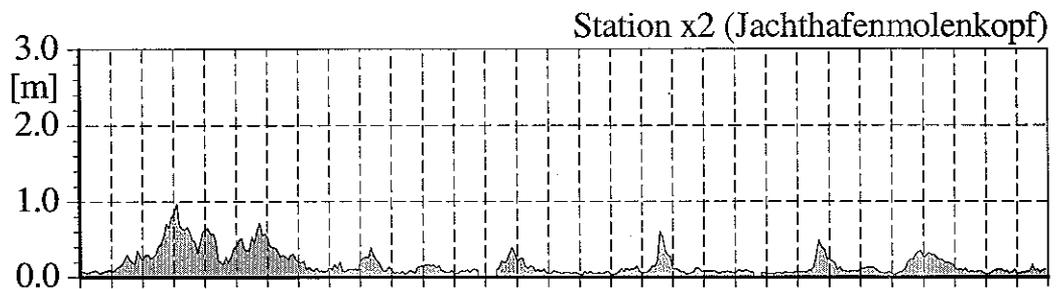
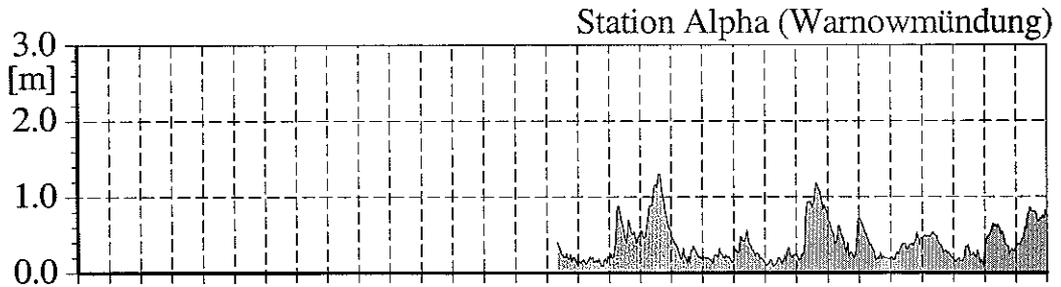
Juli 1998



ZUFAHRT ZUM SEEHAFEN ROSTOCK
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

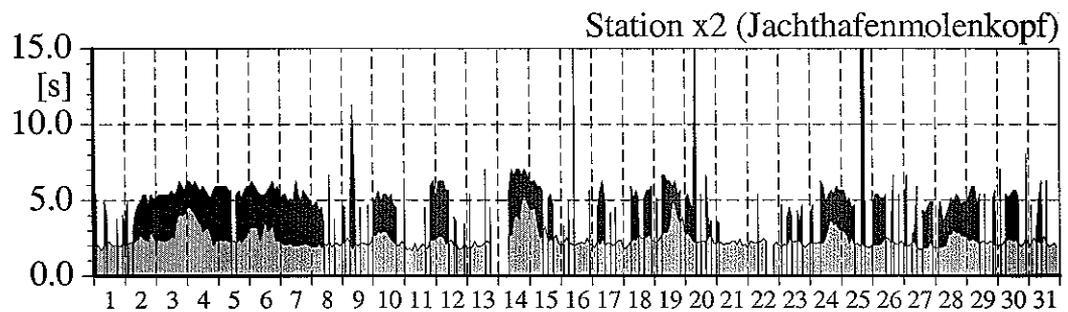
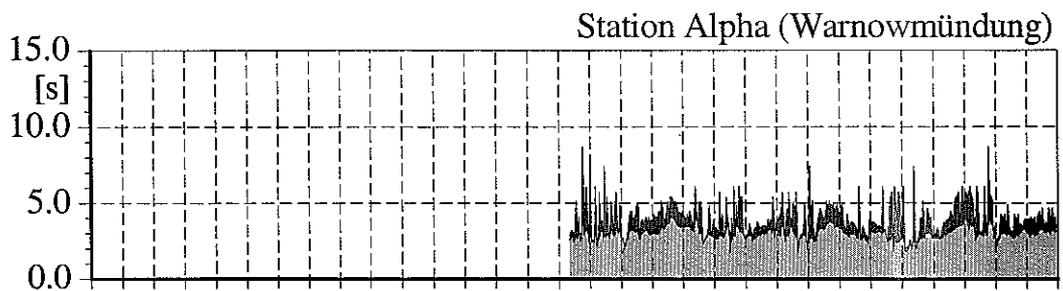
01. - 31. 07. 1998



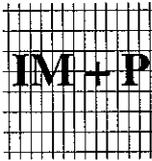
ZUFAHRT ZUM SEEHAFEN ROSTOCK
- Beweissicherung: Seegangsmessungen -

Wellenperiode: T_{m02} T_p

01. - 31. 07. 1998



Juli 1998

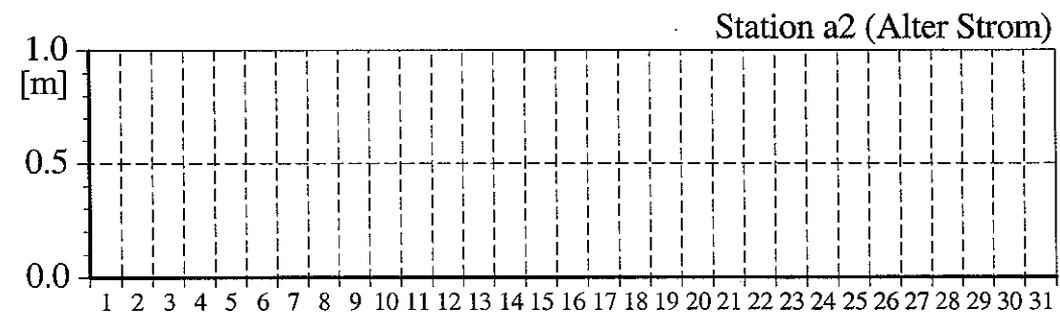
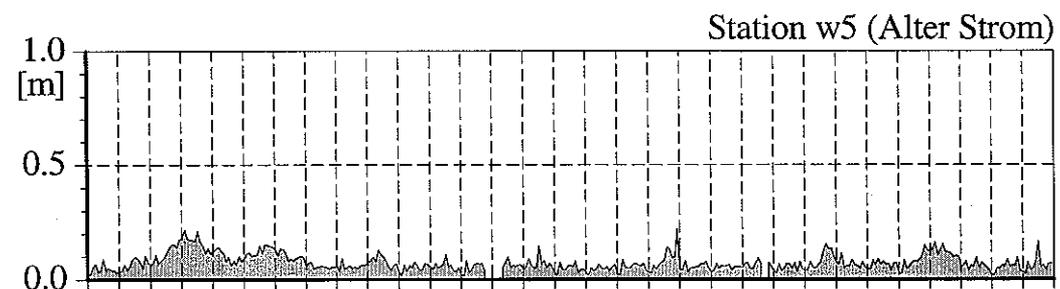
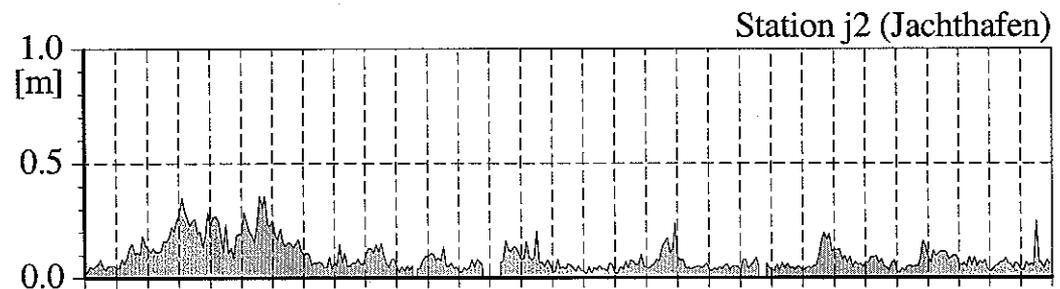
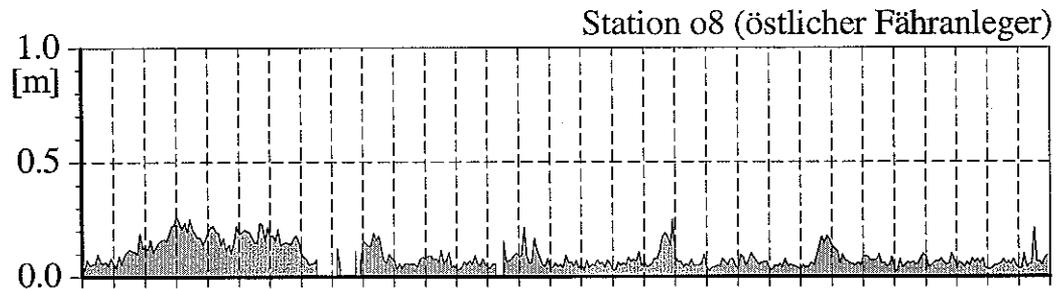
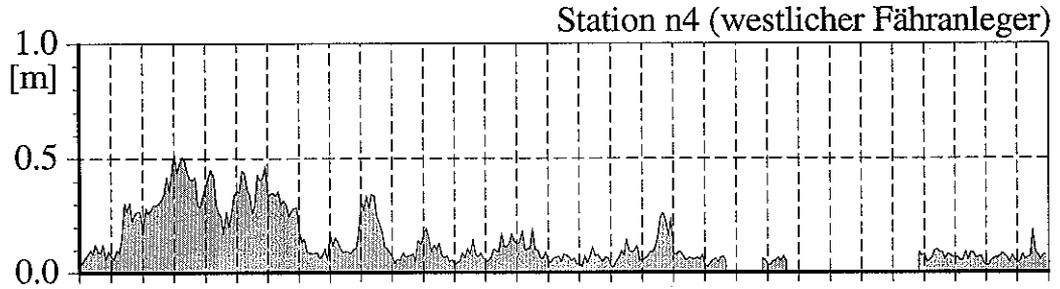


ZUFAHRT ZUM SEEHAFEN ROSTOCK

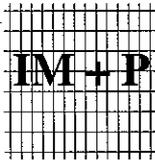
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 31. 07. 1998



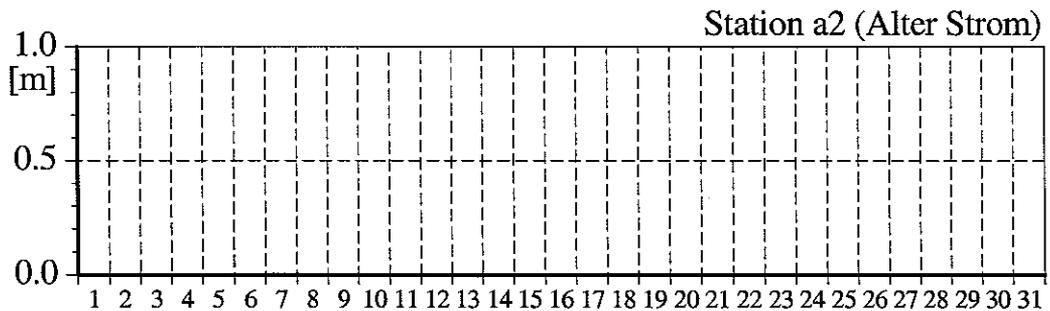
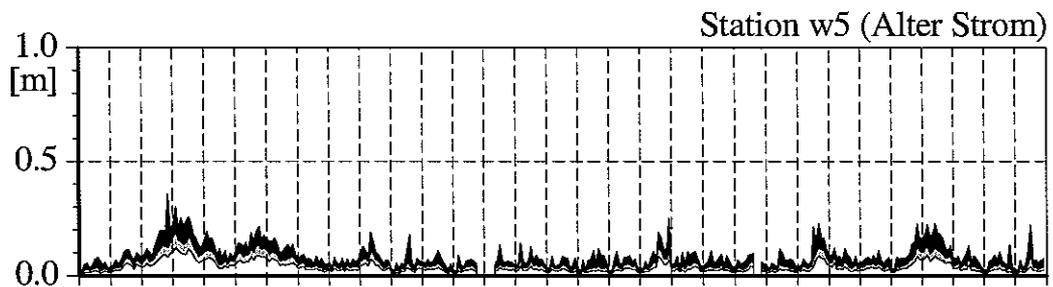
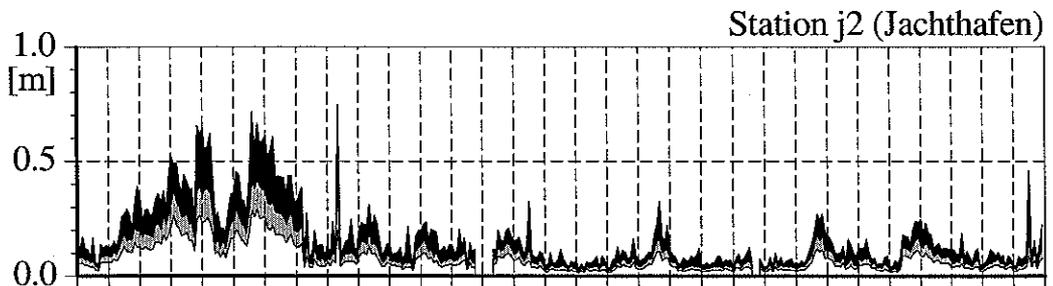
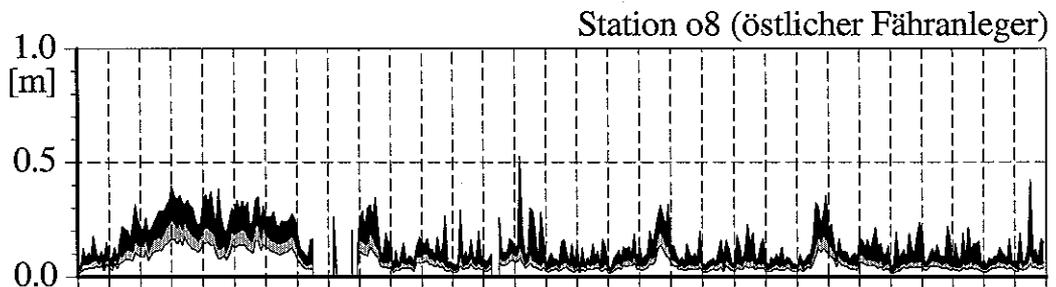
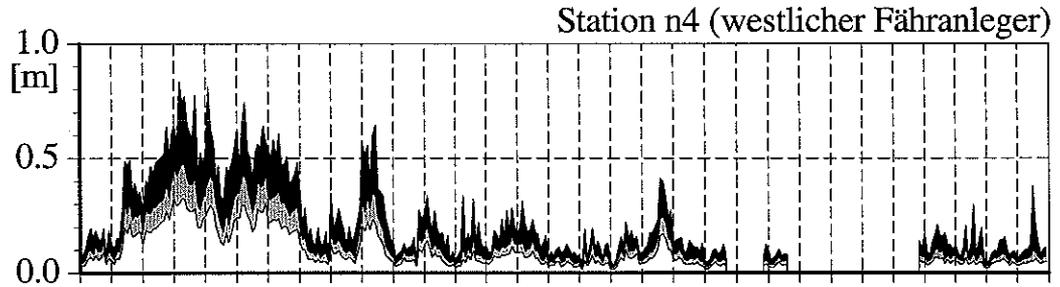
Juli 1998



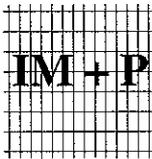
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max} 01. - 31. 07. 1998



Juli 1998

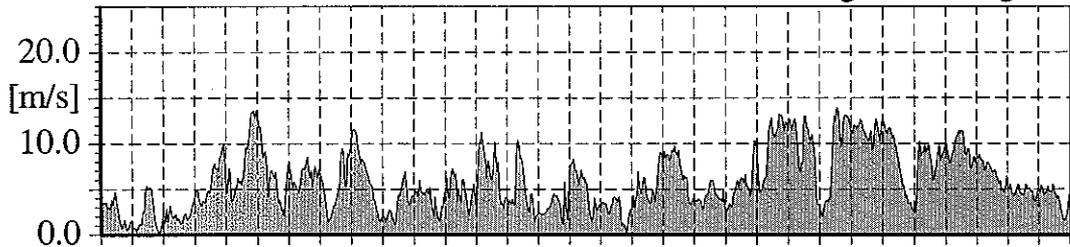


ZUFAHRT ZUM SEEHAFEN ROSTOCK

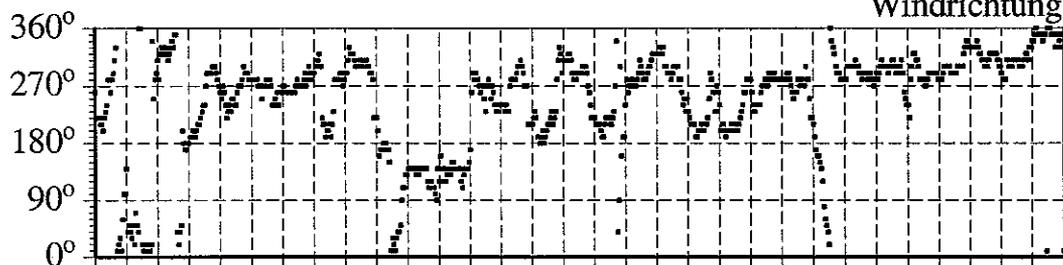
- Beweissicherung: Hydrologische Hauptwerte -

Wind - Seegang - Wasserstand 01. - 31. 08. 1998

Windgeschwindigkeit

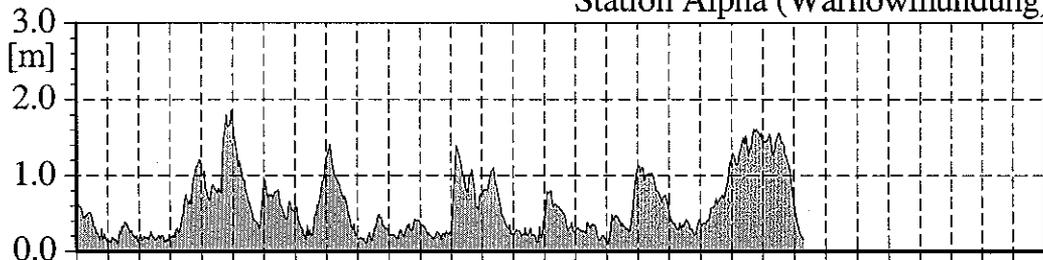


Windrichtung

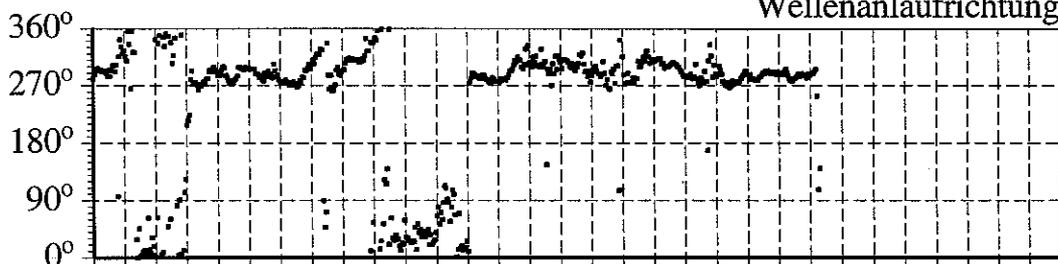


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

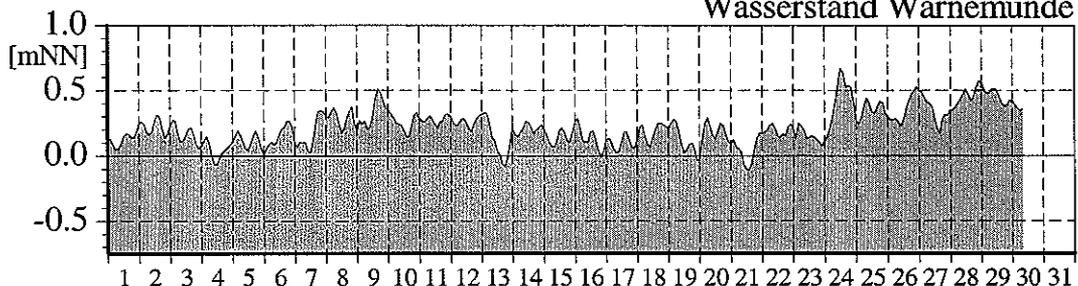


Wellenanlaufrichtung

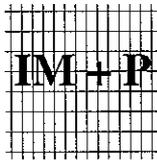


Station: Alpha (Warnowmündung)

Wasserstand Warnemünde



August 1998

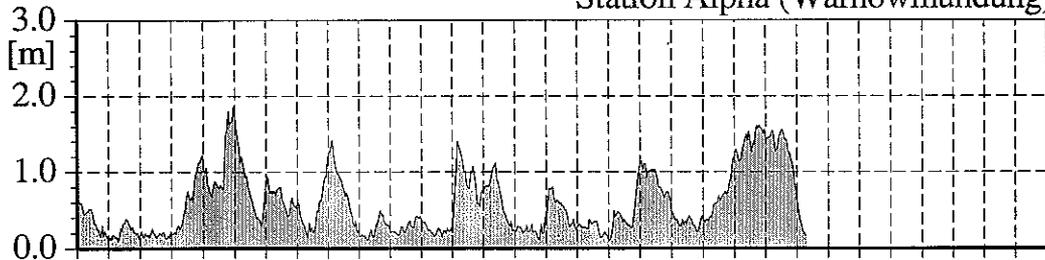


ZUFAHRT ZUM SEEHAFEN ROSTOCK
- Beweissicherung: Seegangsmessungen -

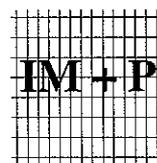
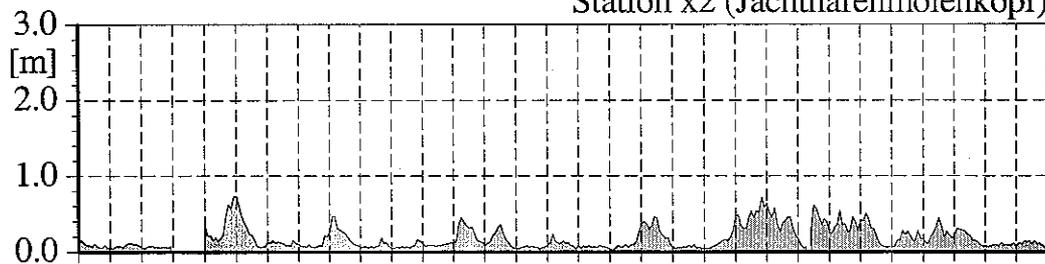
Wellenhöhe: H_{m0}

01. - 31. 08. 1998

Station Alpha (Warnowmündung)



Station x2 (Jachthafenmolenkopf)

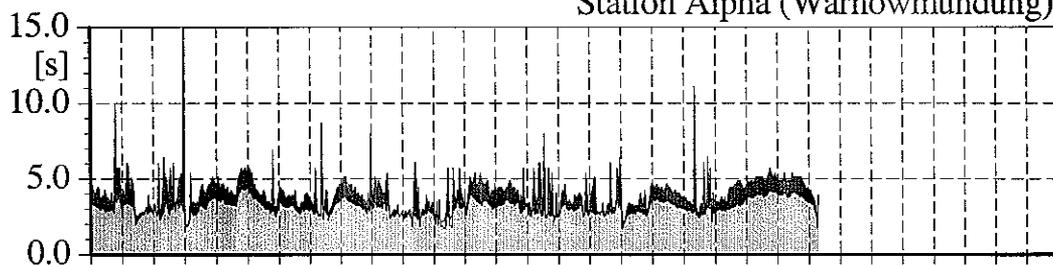


ZUFAHRT ZUM SEEHAFEN ROSTOCK
- Beweissicherung: Seegangsmessungen -

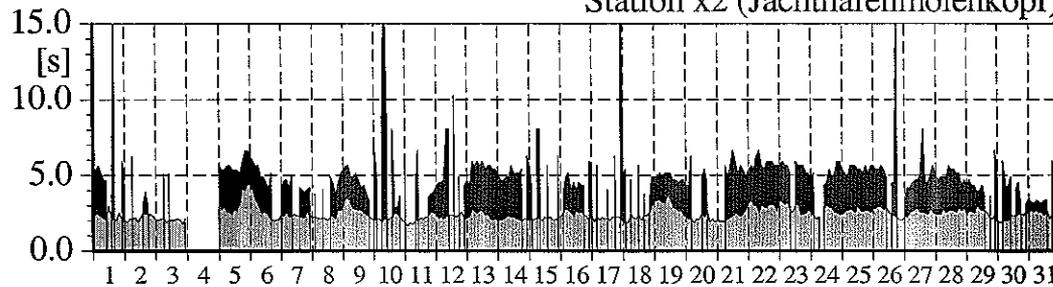
Wellenperiode: T_{m02} T_p

01. - 31. 08. 1998

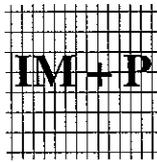
Station Alpha (Warnowmündung)



Station x2 (Jachthafenmolenkopf)



August 1998

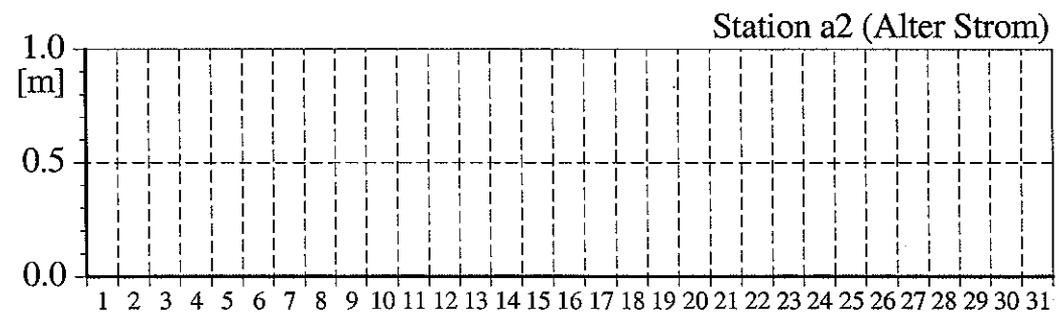
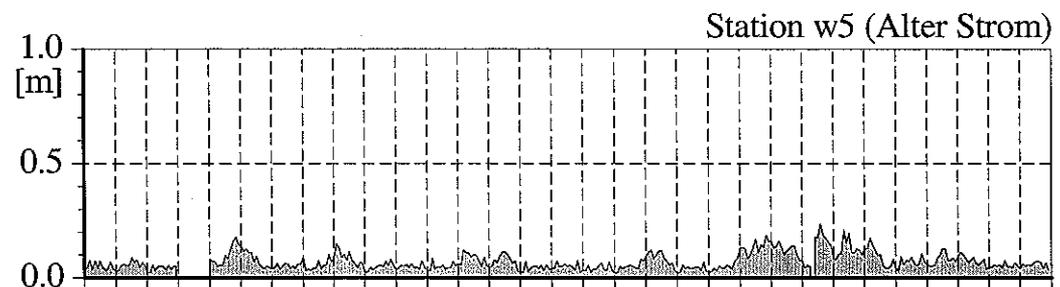
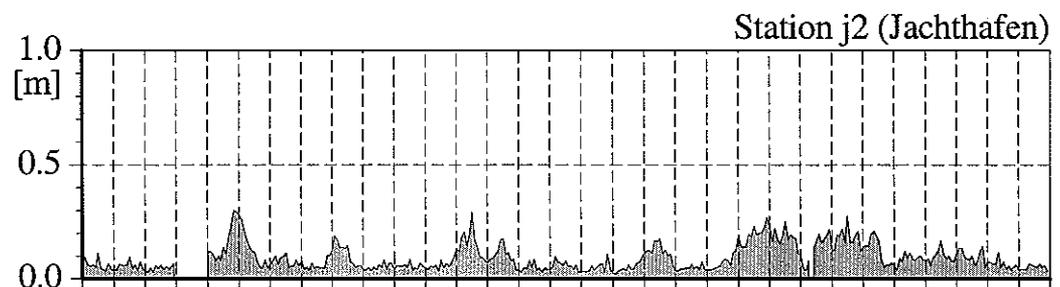
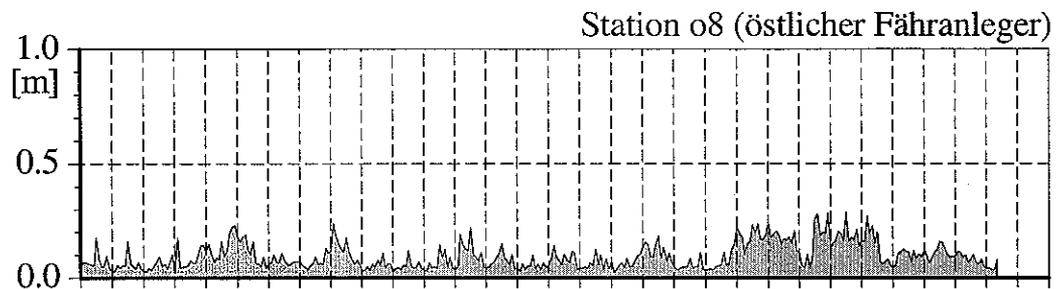
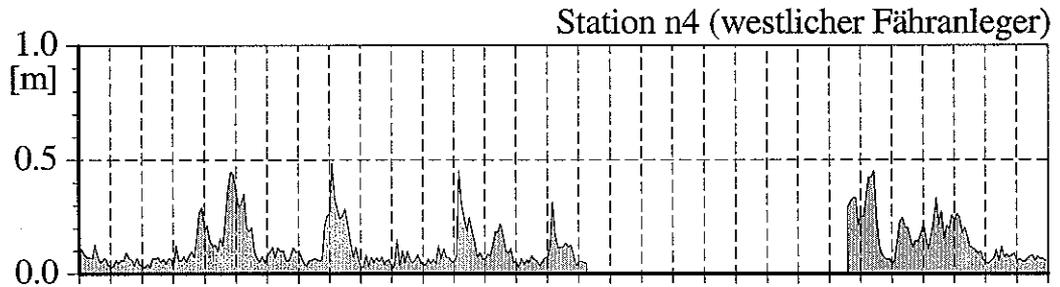


ZUFAHRT ZUM SEEHAFEN ROSTOCK

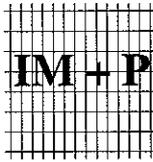
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 31. 08. 1998



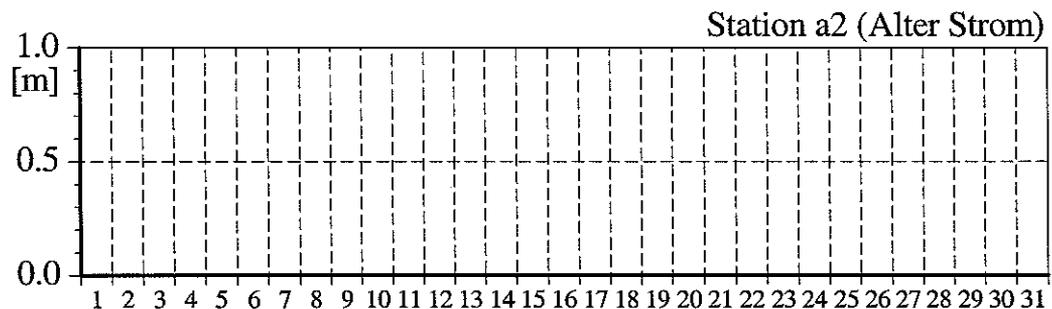
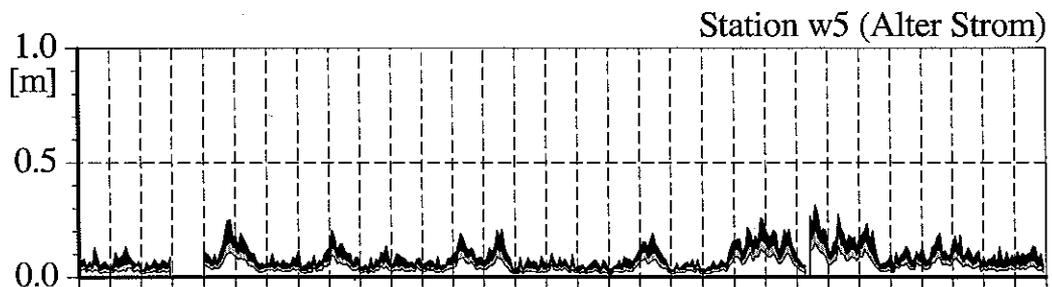
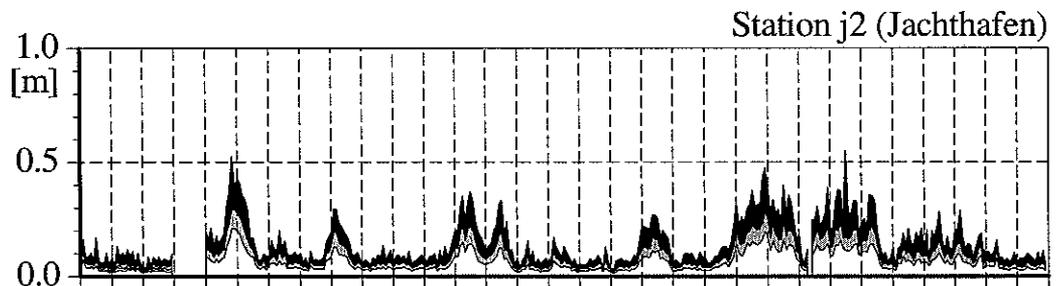
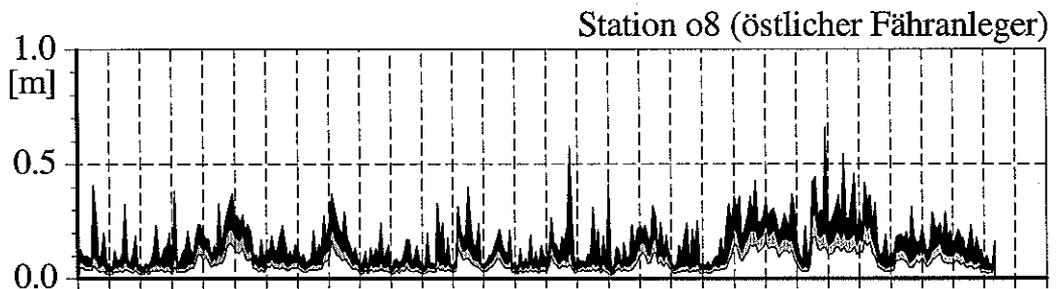
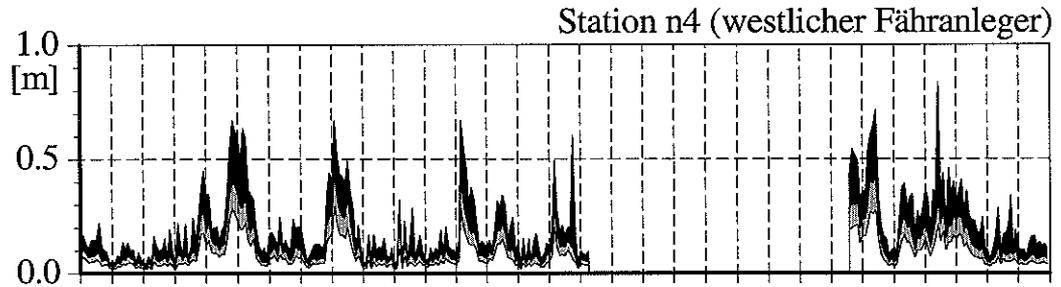
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
August 1998



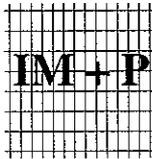
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenhöhe: \square H_m \square $H_{1/3}$ \blacksquare H_{max} 01. - 31. 08. 1998



August 1998



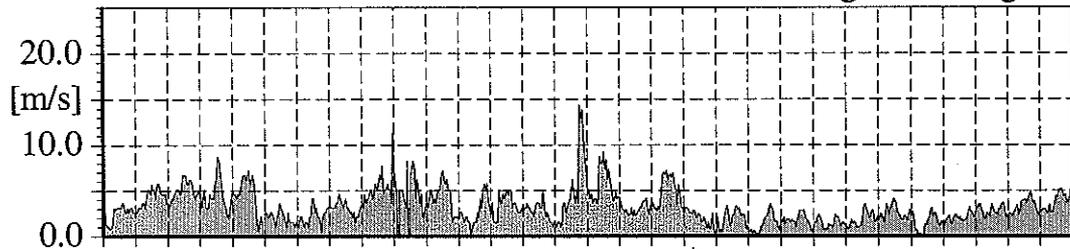
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Hydrologische Hauptwerte -

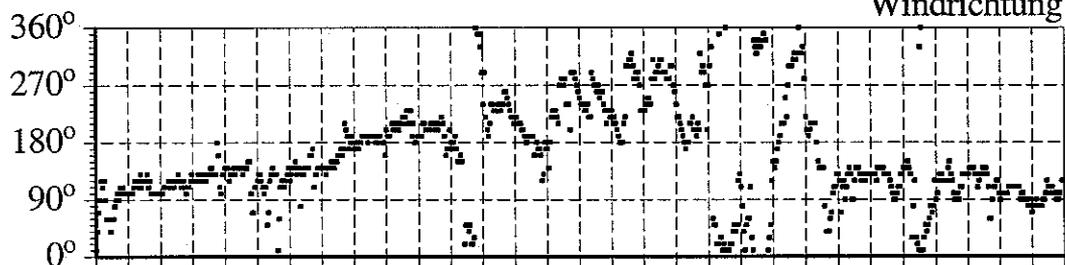
Wind - Seegang - Wasserstand

01. - 30. 09. 1998

Windgeschwindigkeit

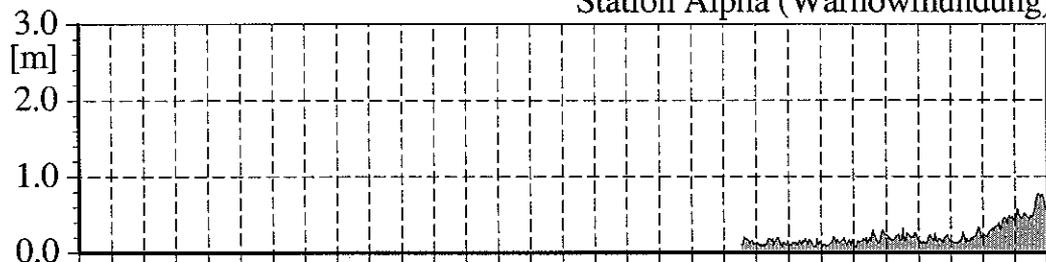


Windrichtung

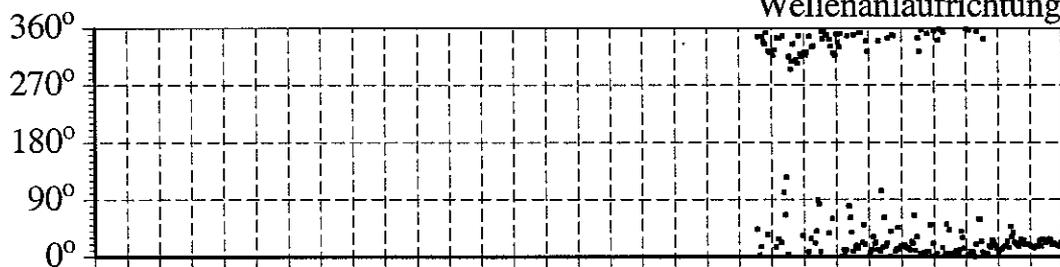


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

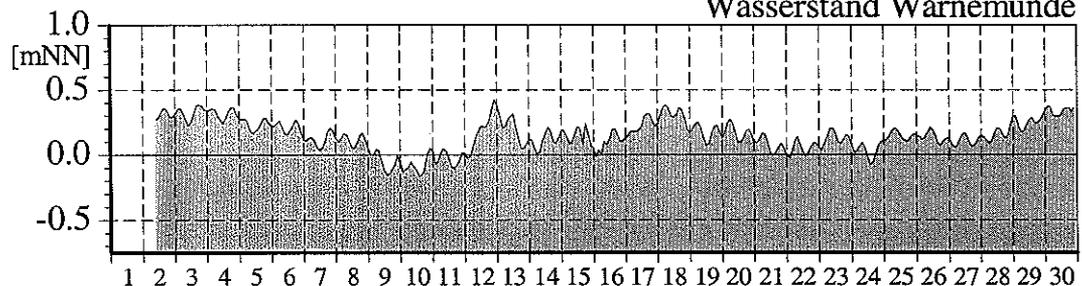


Wellenanlaufrichtung

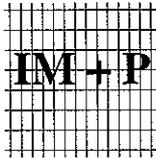


Station: Alpha (Warnowmündung)

Wasserstand Warnemünde



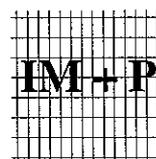
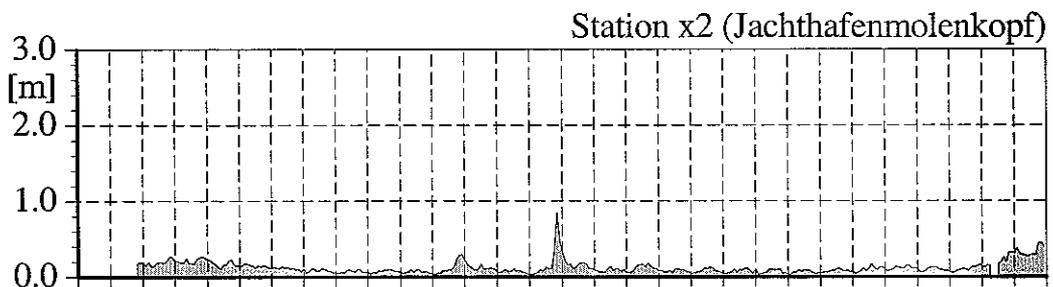
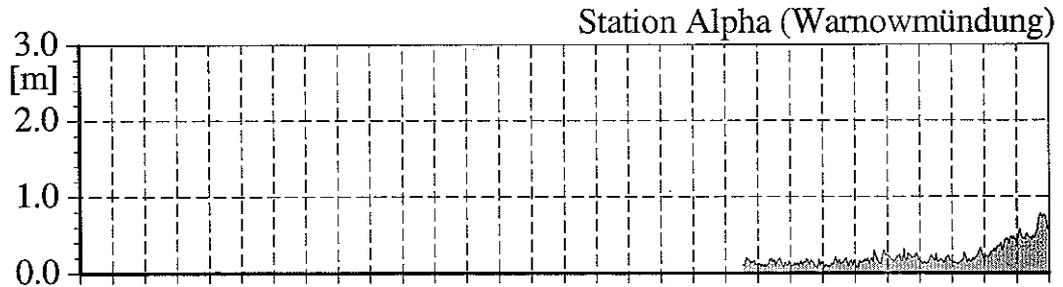
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
September 1998



ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

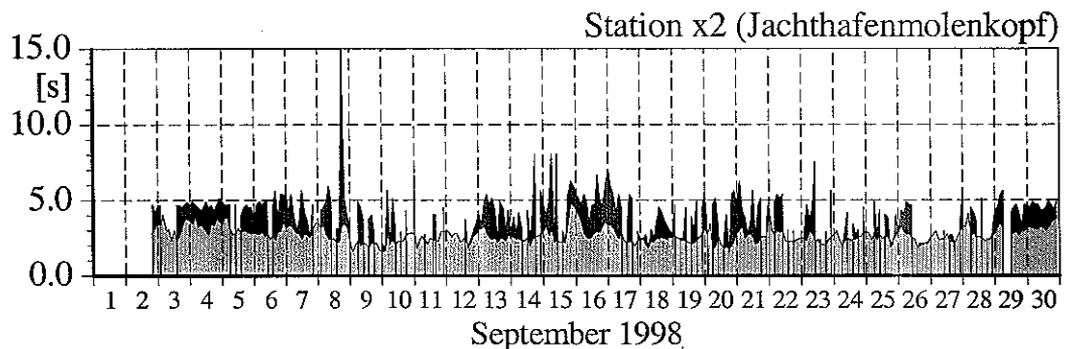
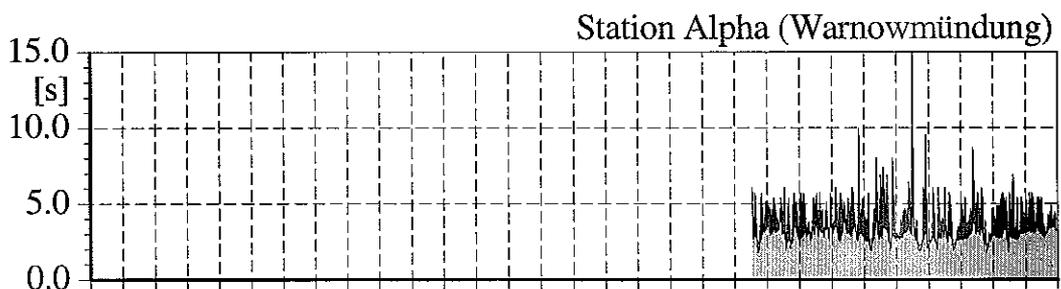
01. - 30. 09. 1998

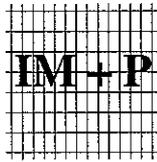


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenperiode: T_{m02} T_p

01. - 30. 09. 1998

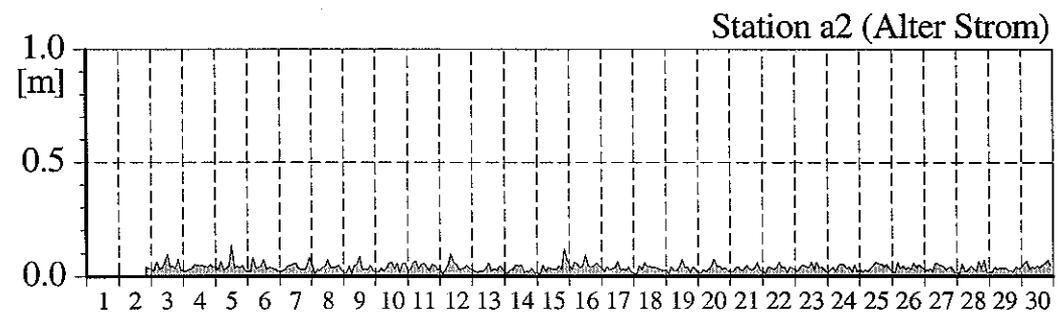
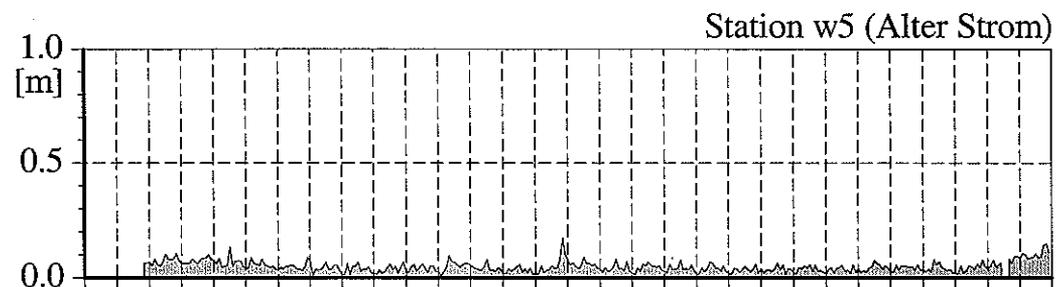
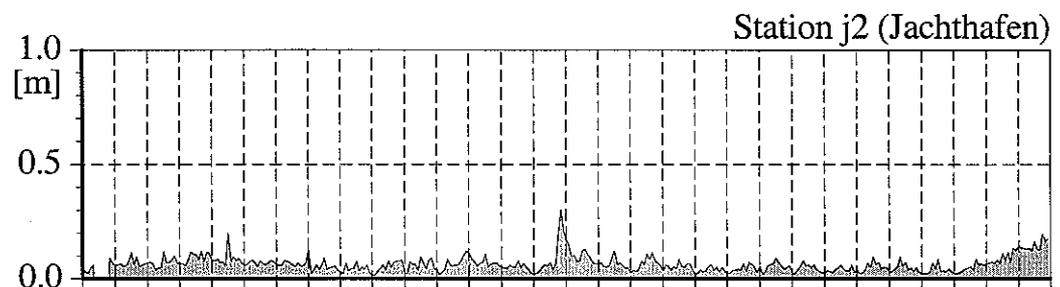
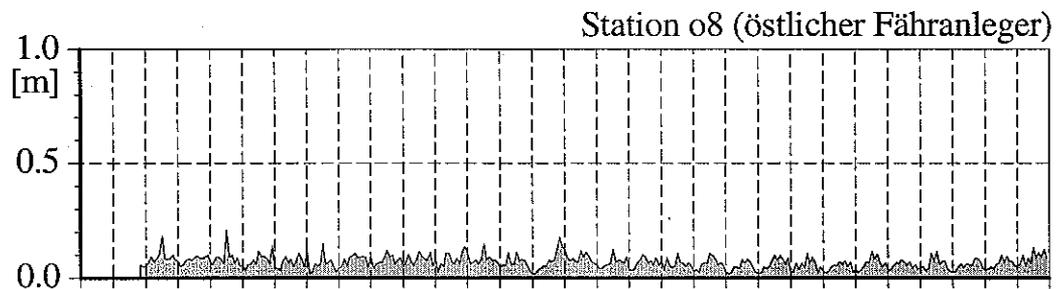
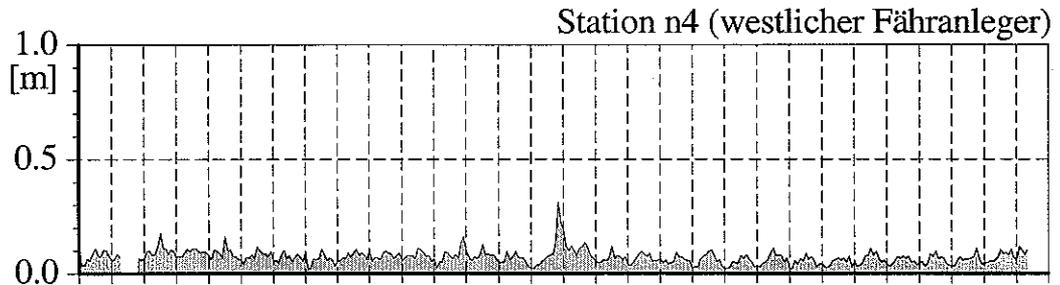




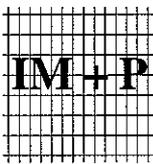
ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 30. 09. 1998



September 1998

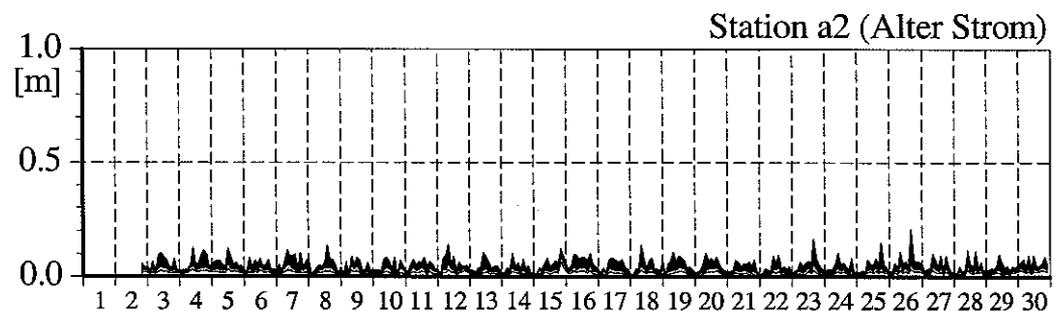
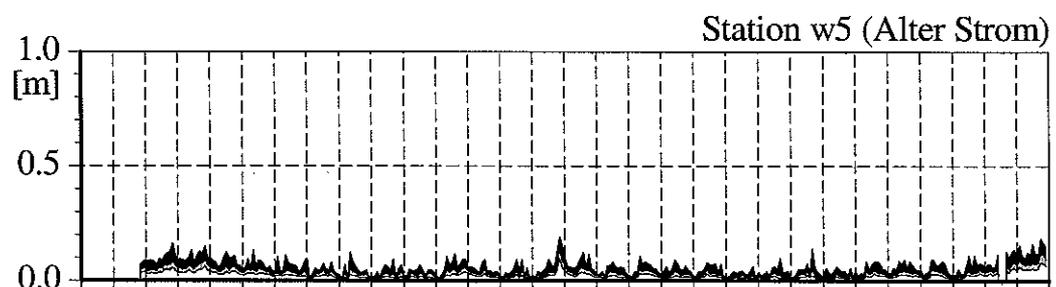
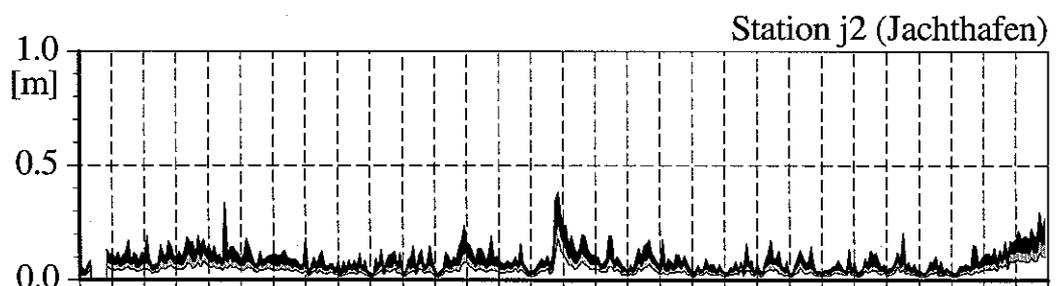
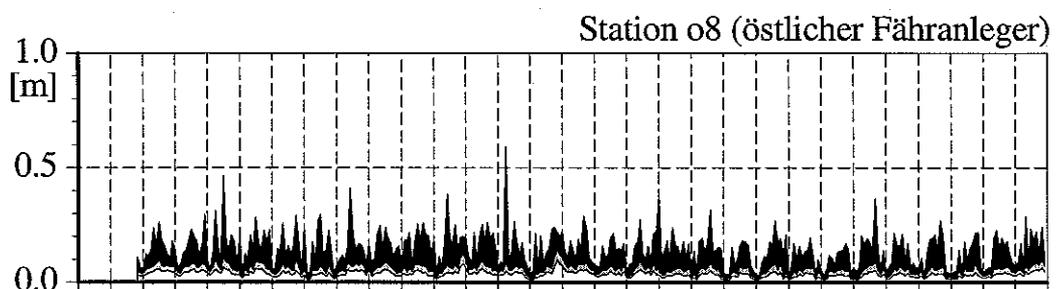
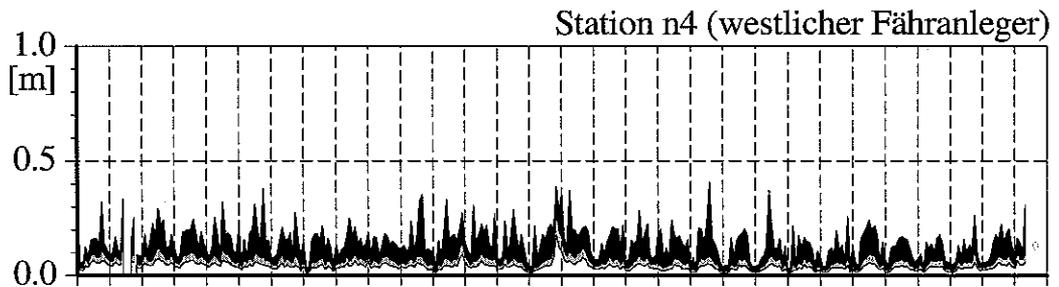


ZUFAHRT ZUM SEEHAFEN ROSTOCK

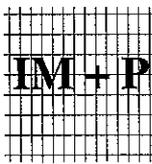
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max}

01. - 30. 09. 1998



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
September 1998

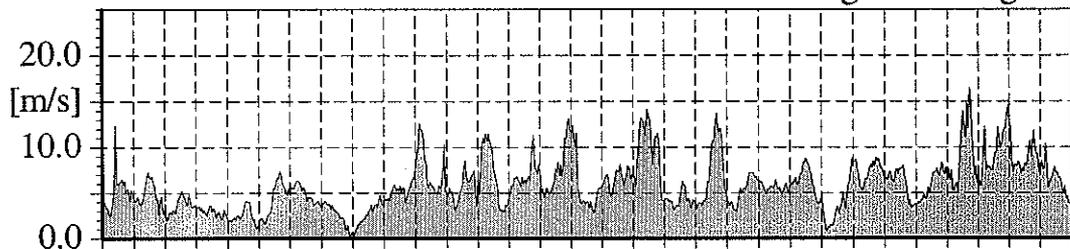


ZUFAHRT ZUM SEEHAFEN ROSTOCK

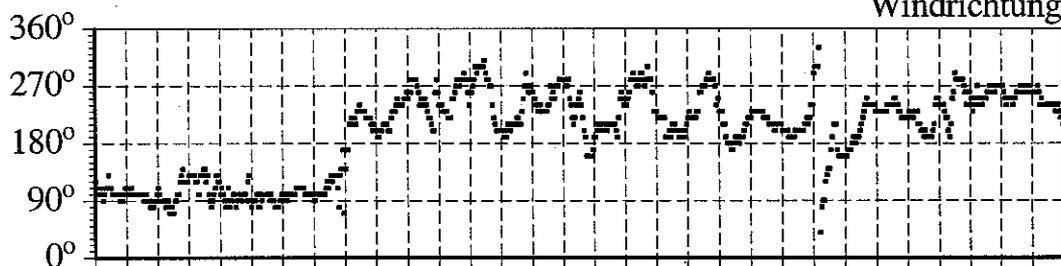
- Beweissicherung: Hydrologische Hauptwerte -

Wind - Seegang - Wasserstand 01. - 31. 10. 1998

Windgeschwindigkeit

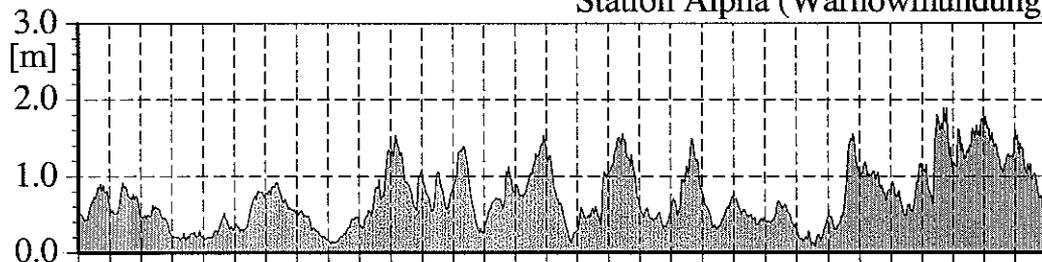


Windrichtung

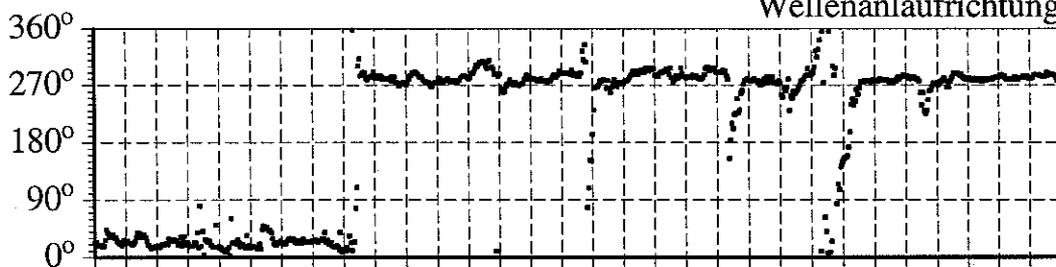


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

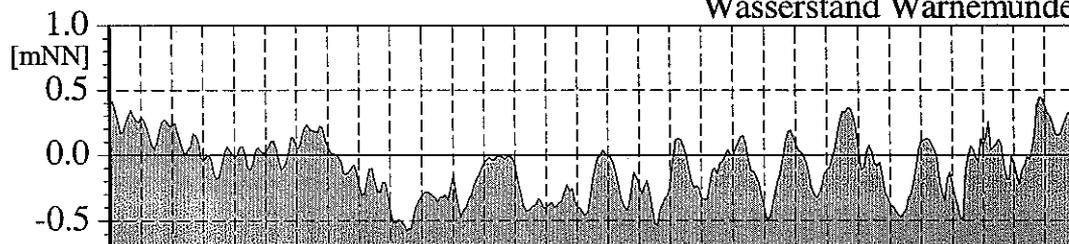


Wellenanlaufrichtung



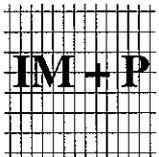
Station: Alpha (Warnowmündung)

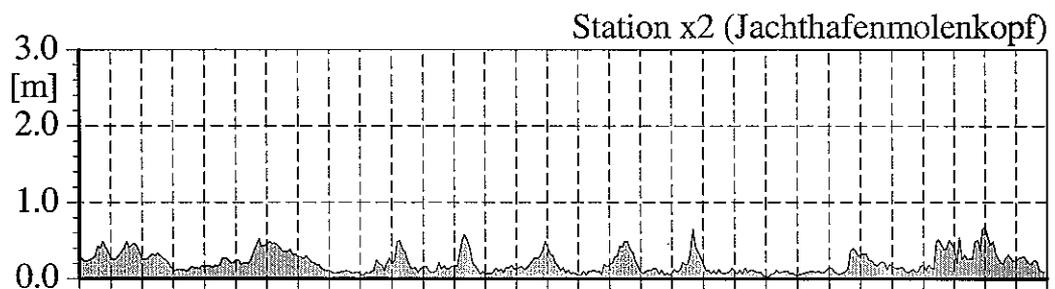
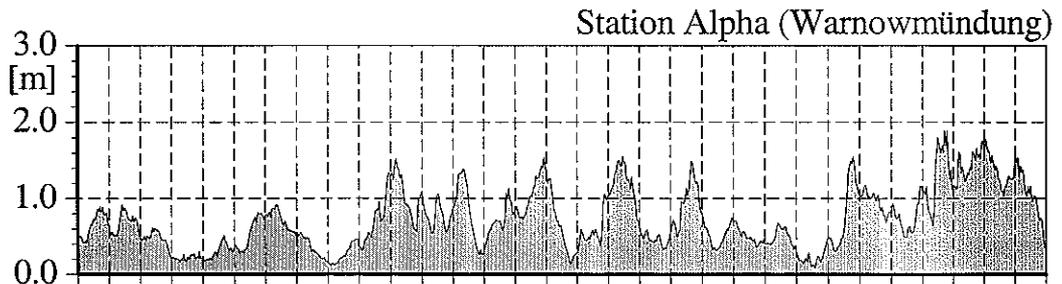
Wasserstand Warnemünde

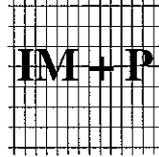


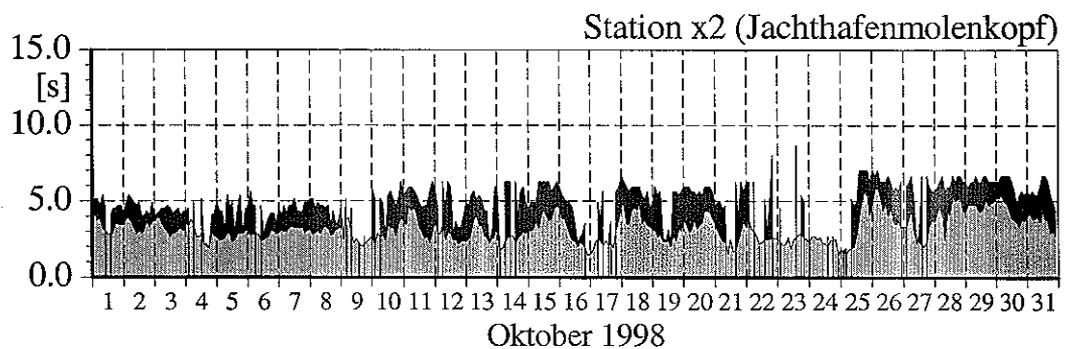
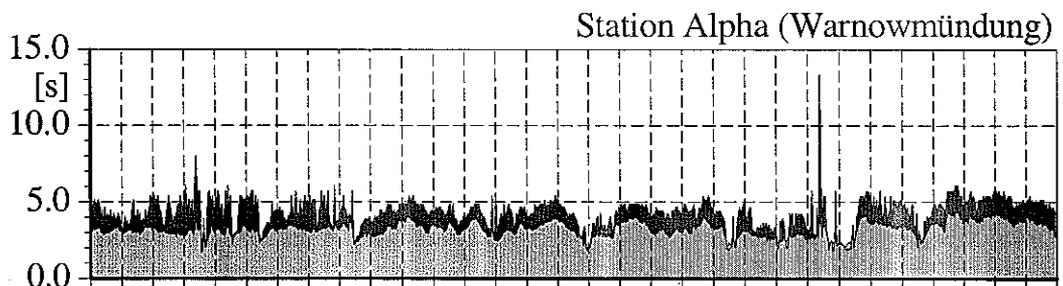
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

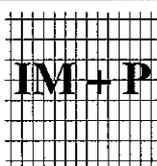
Oktober 1998

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 10. 1998



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 31. 10. 1998



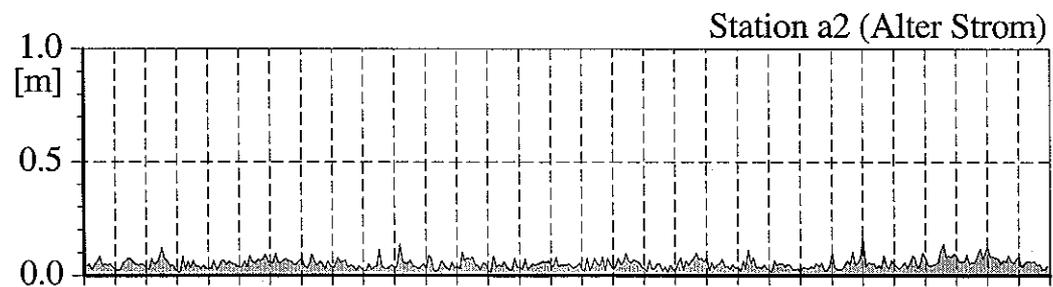
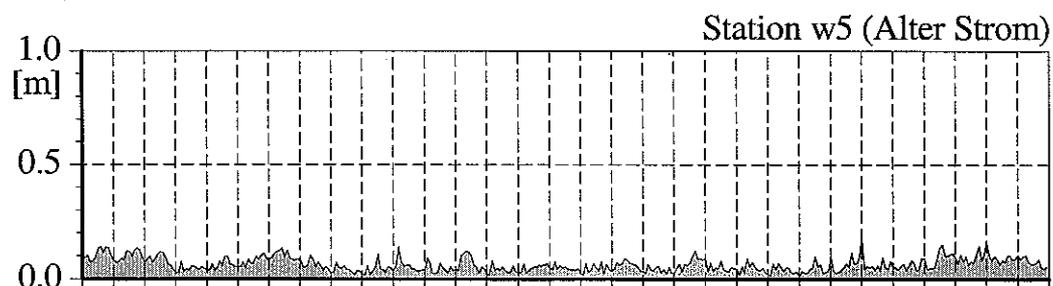
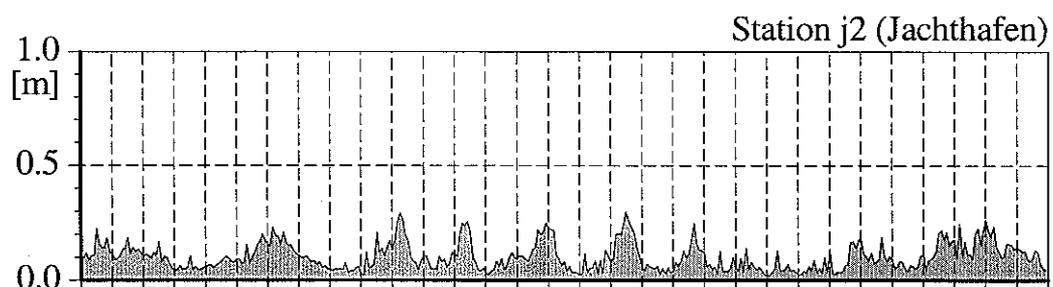
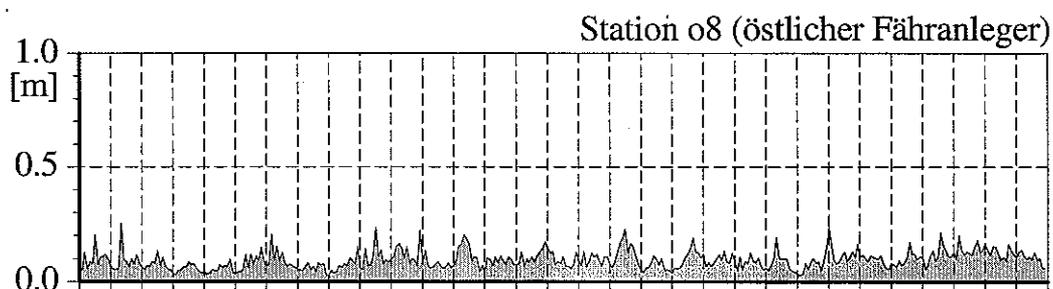
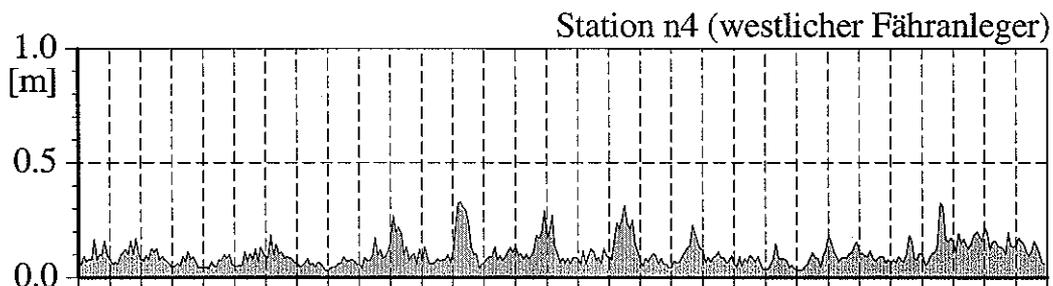


ZUFAHRT ZUM SEEHAFEN ROSTOCK

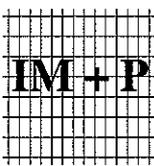
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 31. 10. 1998



Oktober 1998

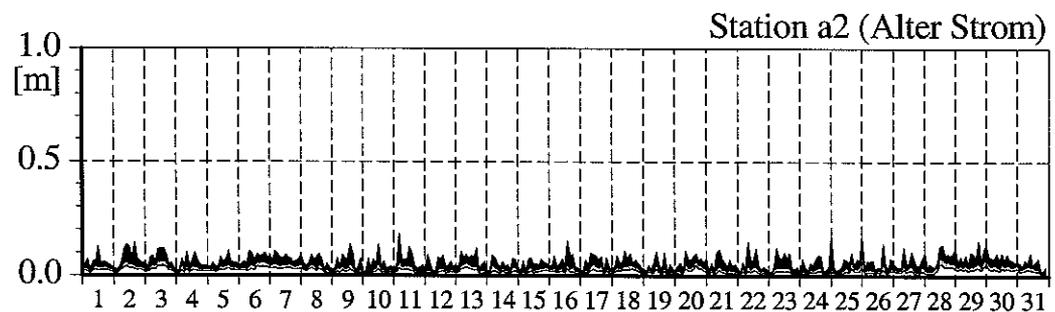
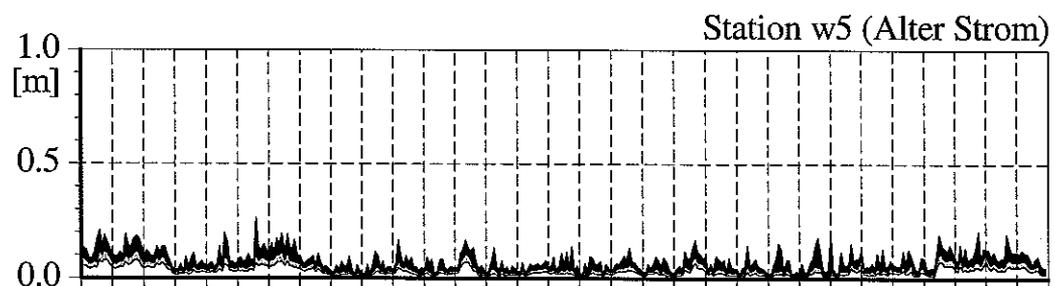
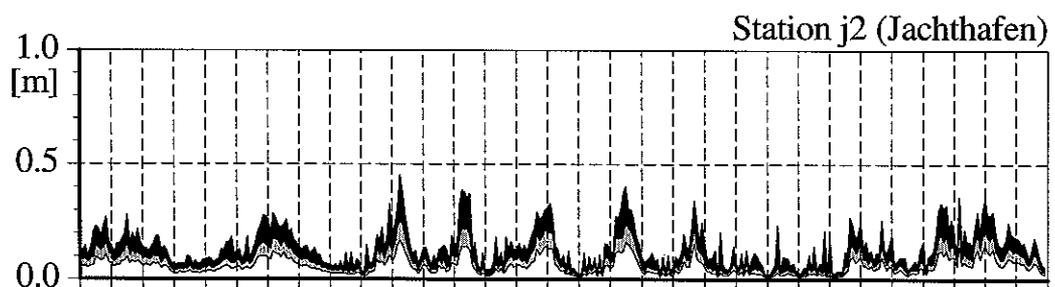
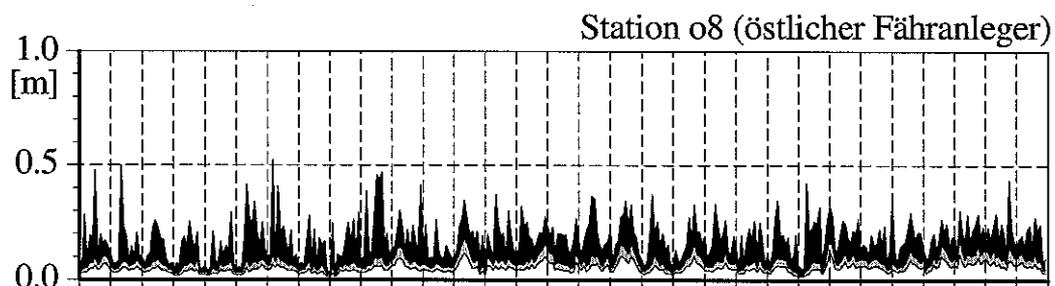
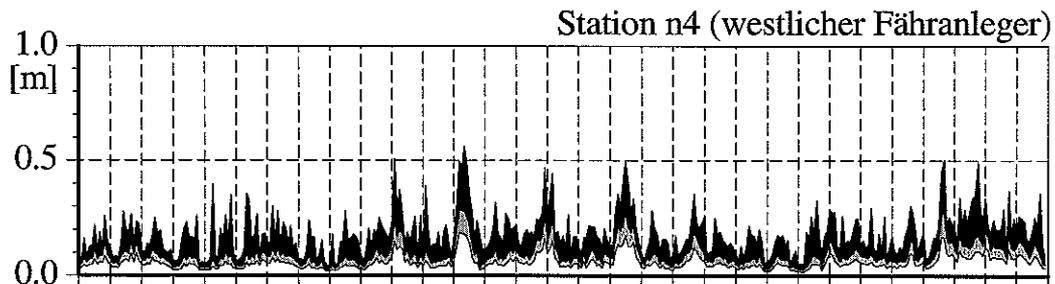


ZUFAHRT ZUM SEEHAFEN ROSTOCK

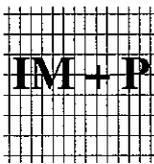
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max}

01. - 31. 10. 1998



Oktober 1998



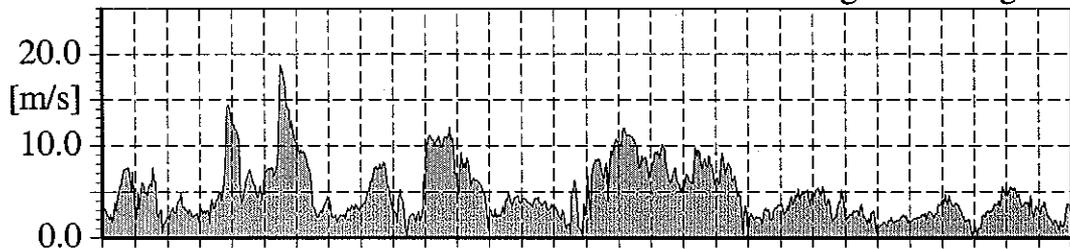
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Hydrologische Hauptwerte -

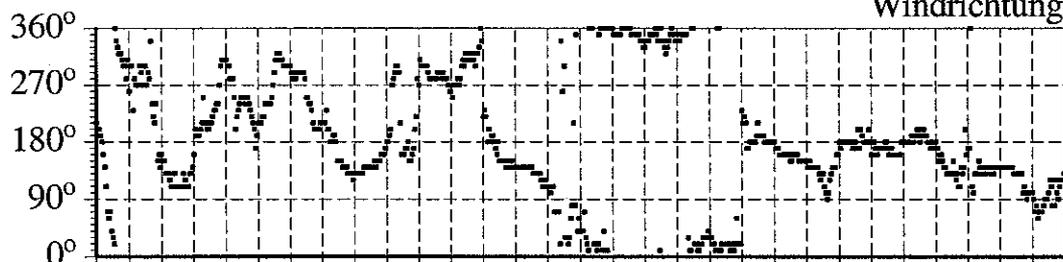
Wind - Seegang - Wasserstand

01. - 30. 11. 1998

Windgeschwindigkeit

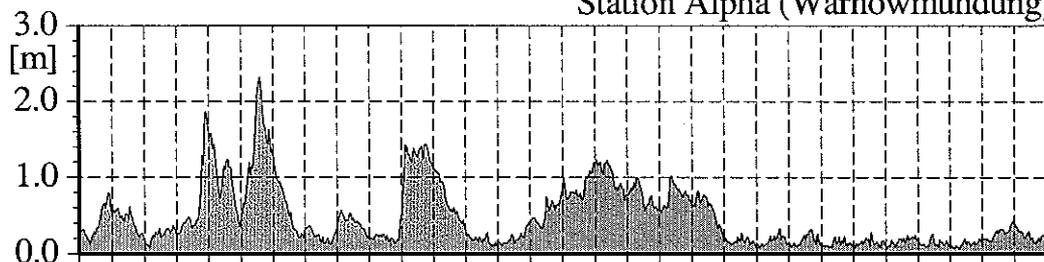


Windrichtung

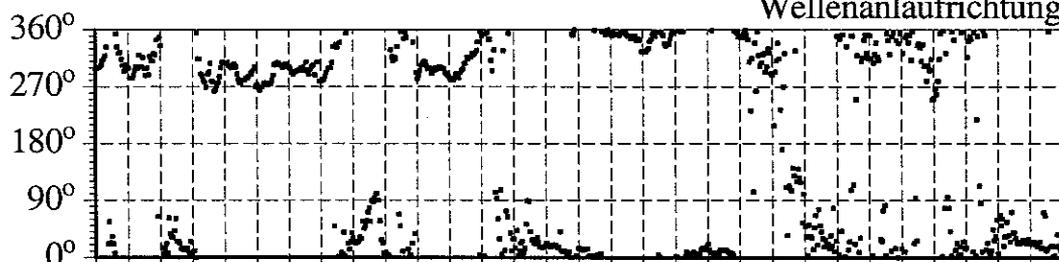


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

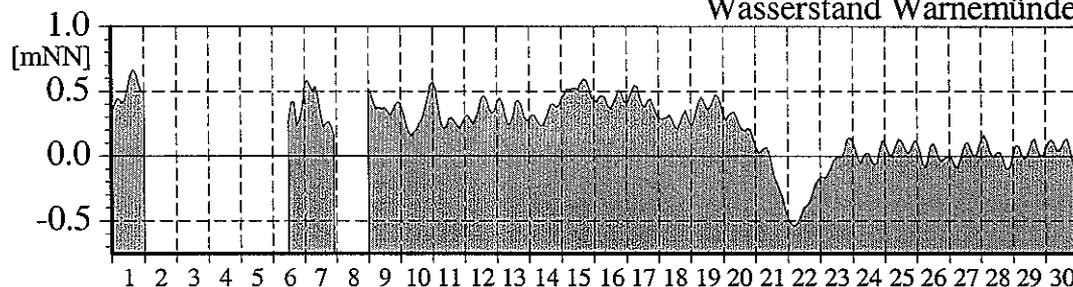


Wellenanaufrichtung

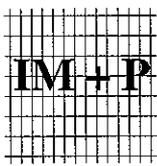


Station: Alpha (Warnowmündung)

Wasserstand Warnemünde



November 1998

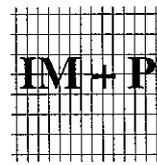
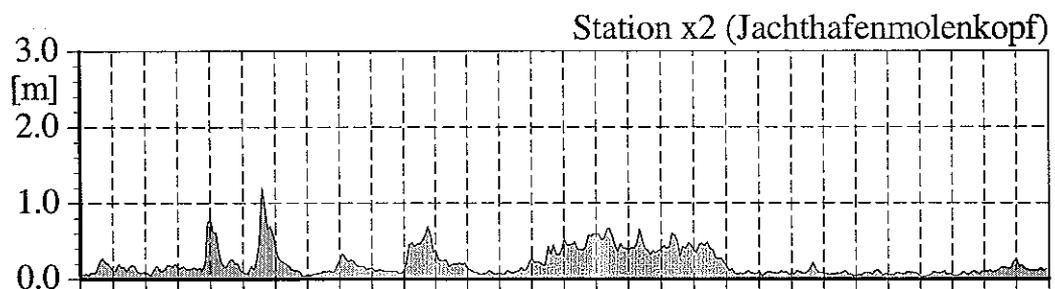
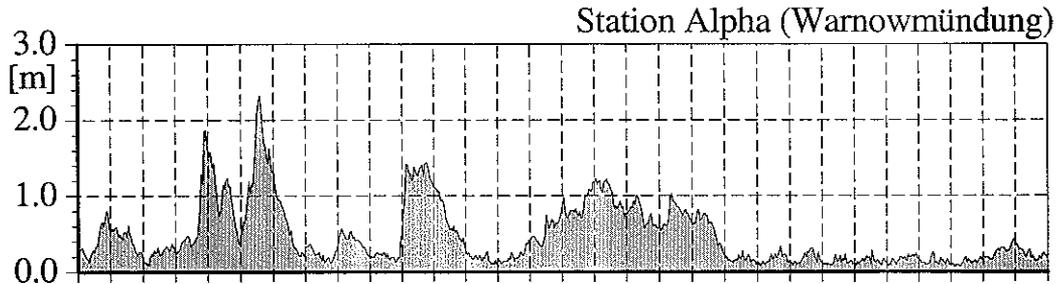


ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 30. 11. 1998

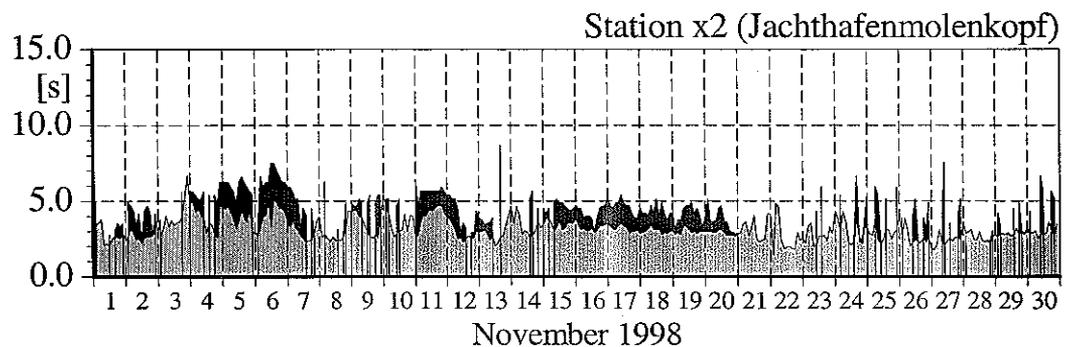
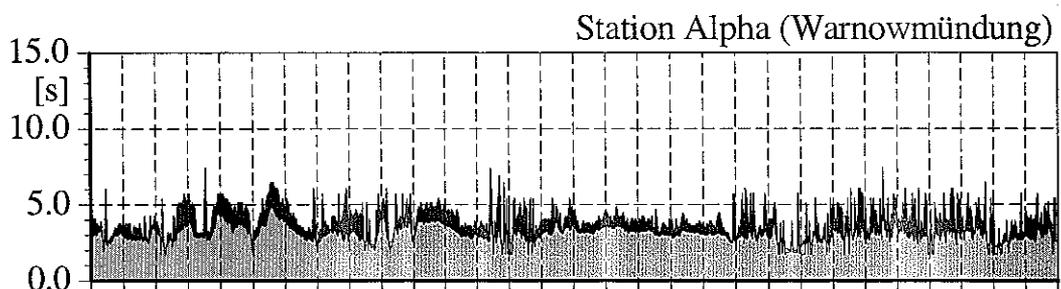


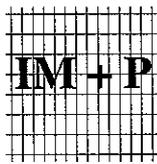
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenperiode: T_{m02} T_p

01. - 30. 11. 1998



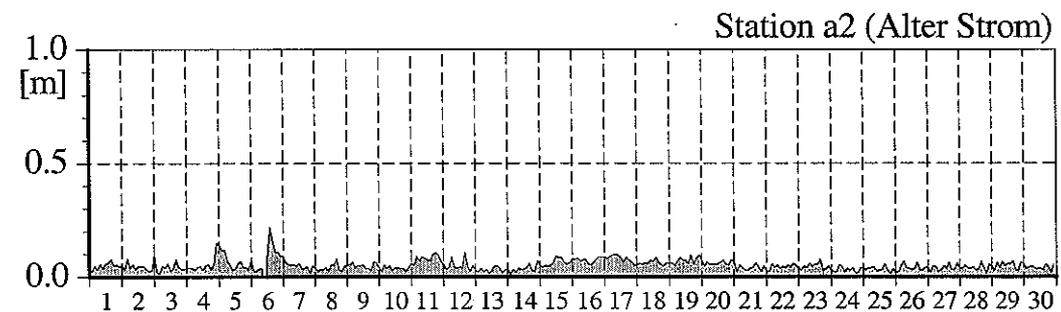
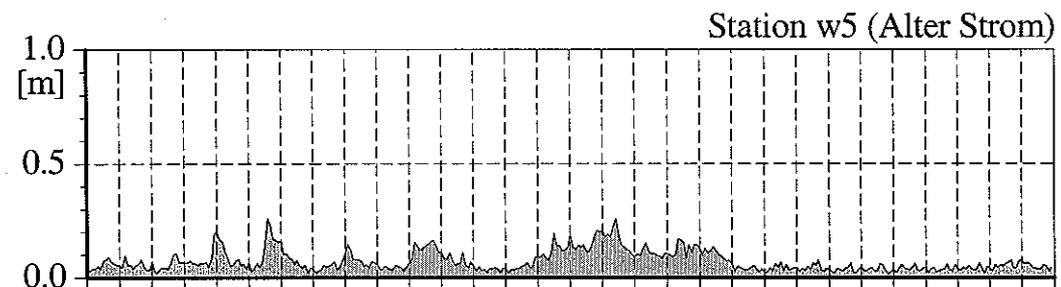
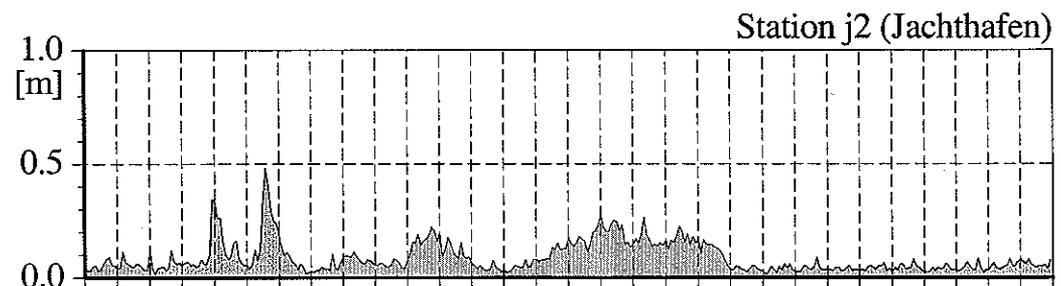
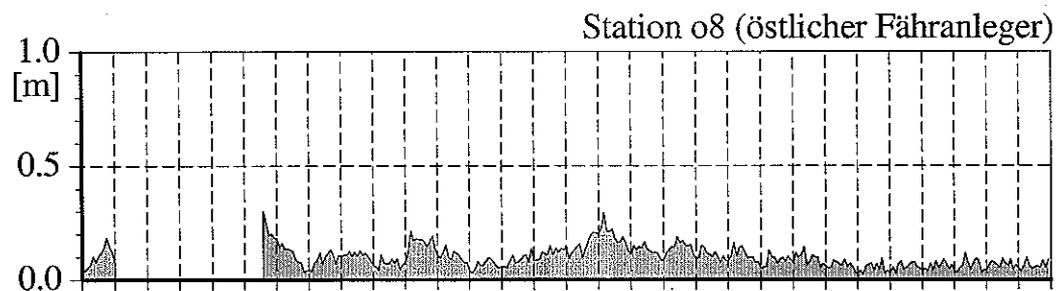
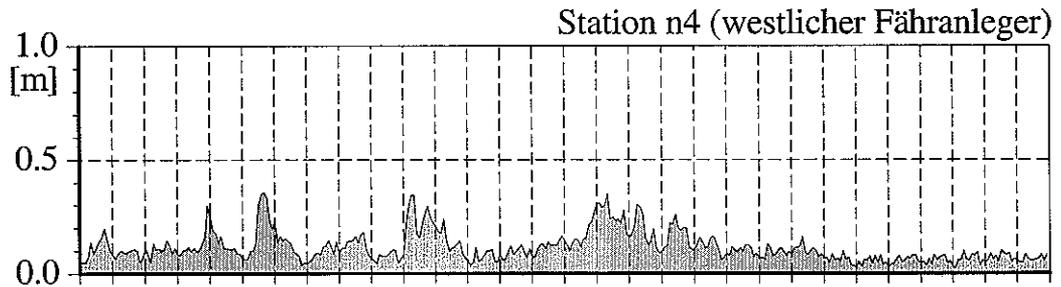


ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 30. 11. 1998



November 1998

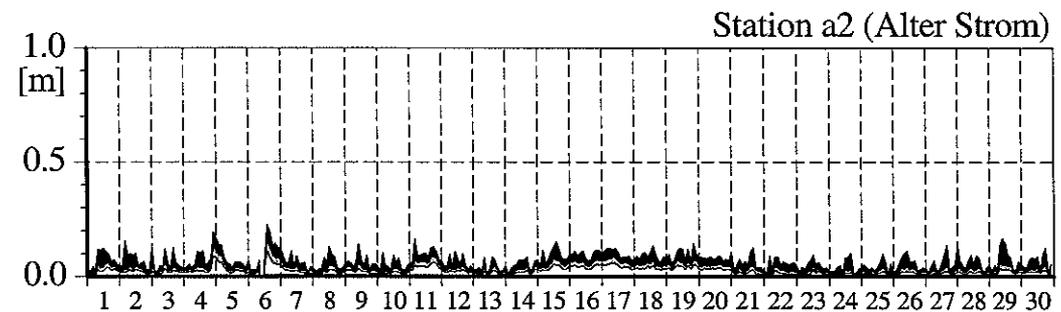
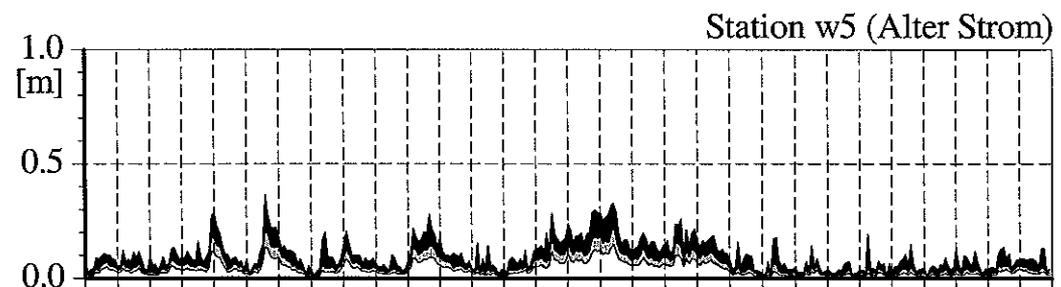
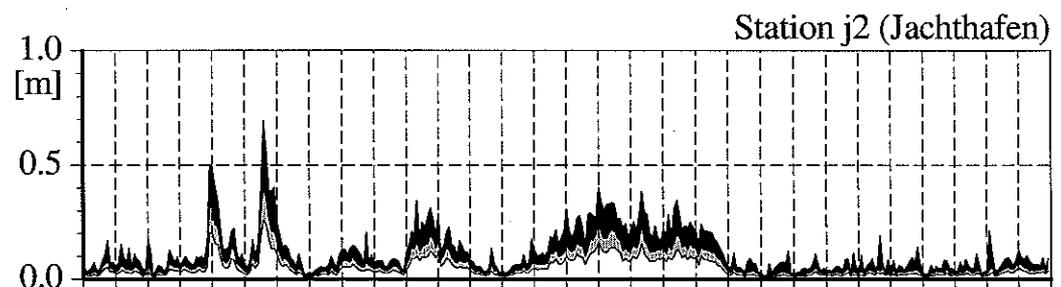
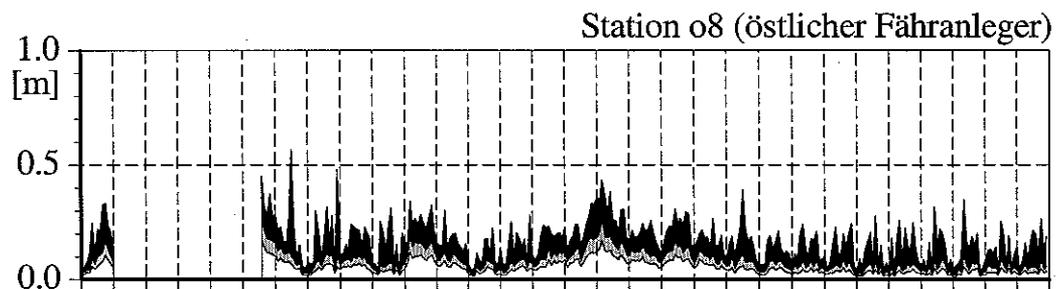
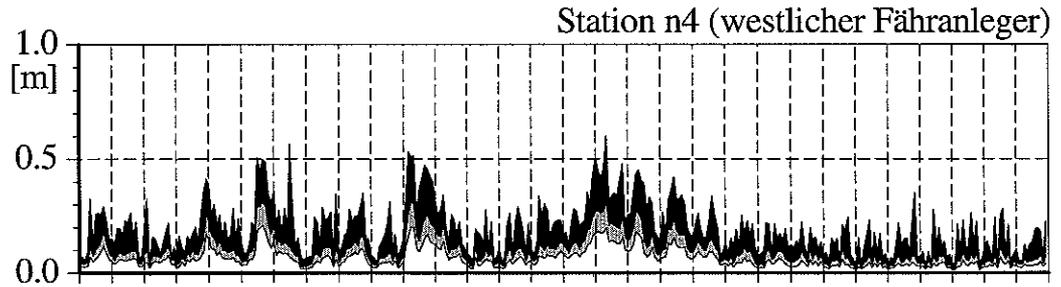


ZUFAHRT ZUM SEEHAFEN ROSTOCK

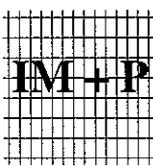
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max}

01. - 30. 11. 1998



November 1998



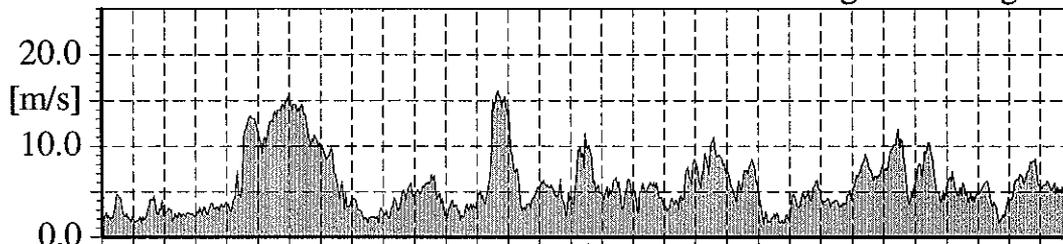
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Hydrologische Hauptwerte -

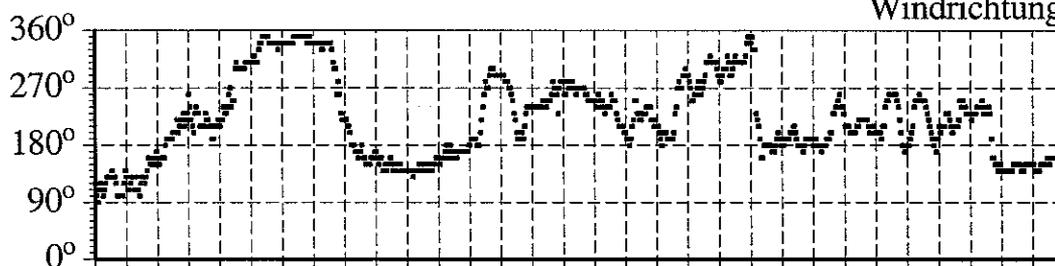
Wind - Seegang - Wasserstand

01. - 31. 12. 1998

Windgeschwindigkeit

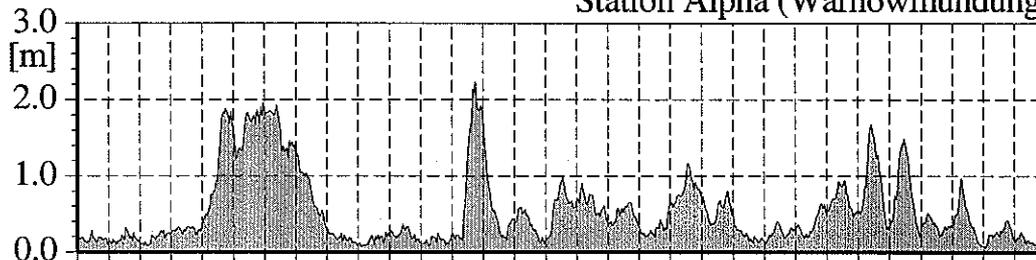


Windrichtung

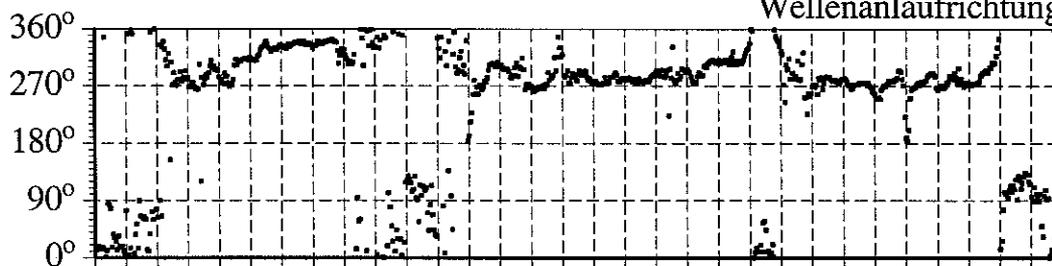


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

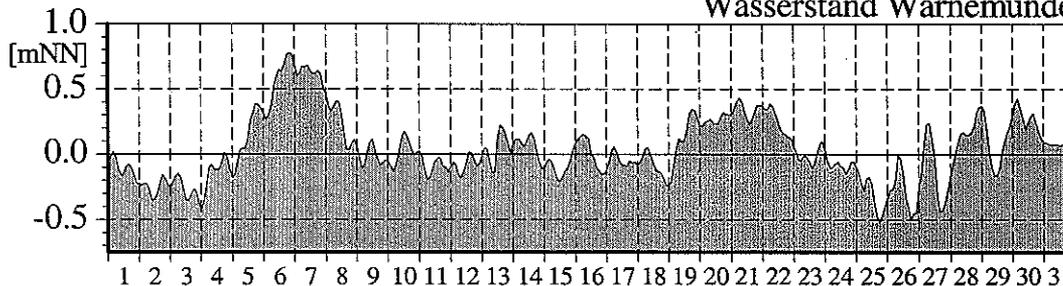


Wellenanlaufrichtung

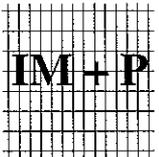


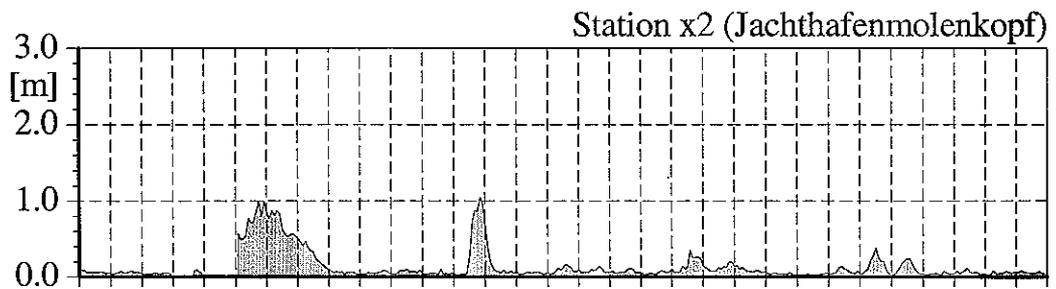
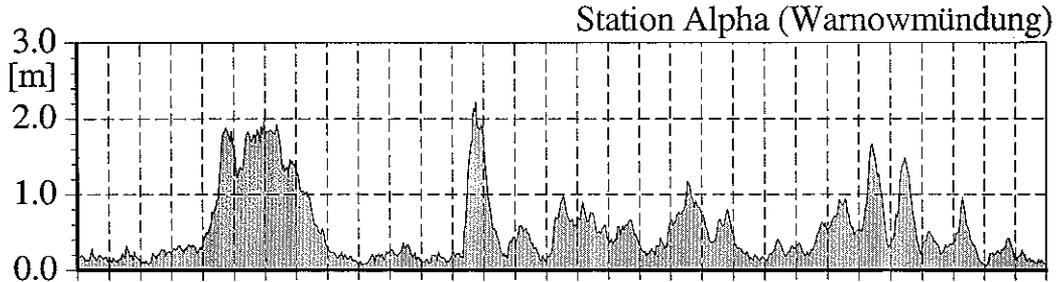
Station: Alpha (Warnowmündung)

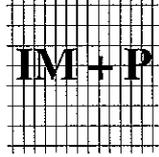
Wasserstand Warnemünde

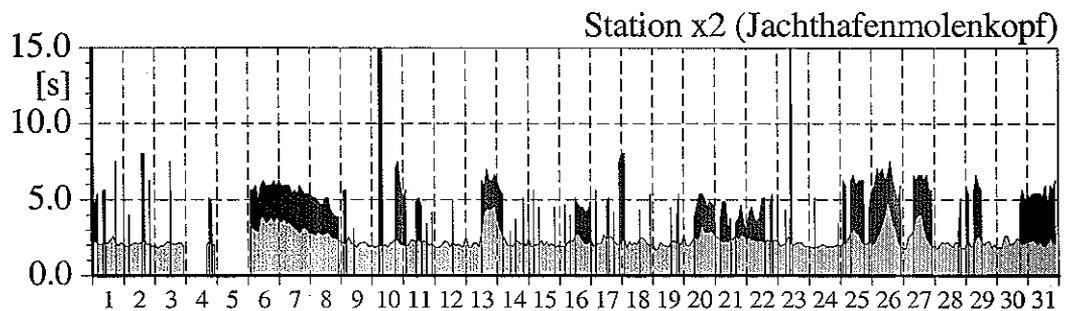
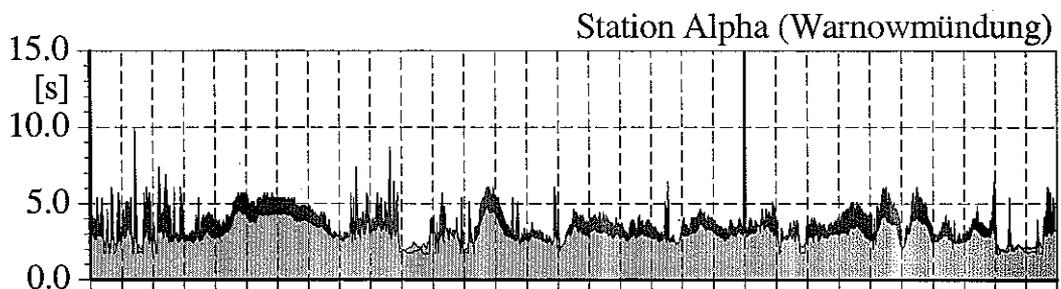


Dezember 1998

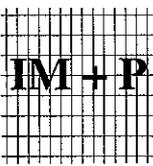
	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 12. 1998



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 31. 12. 1998



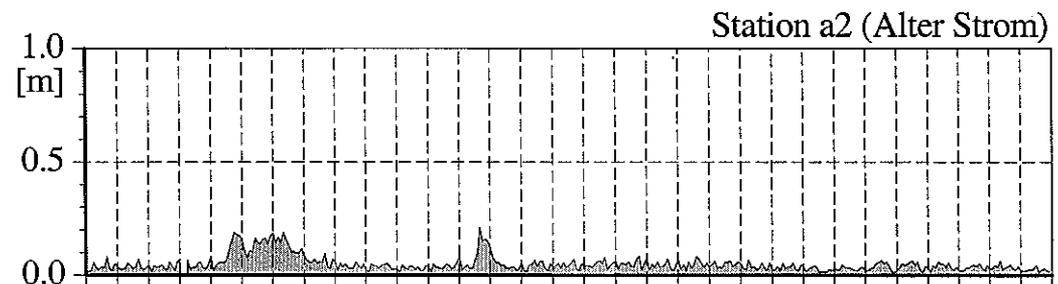
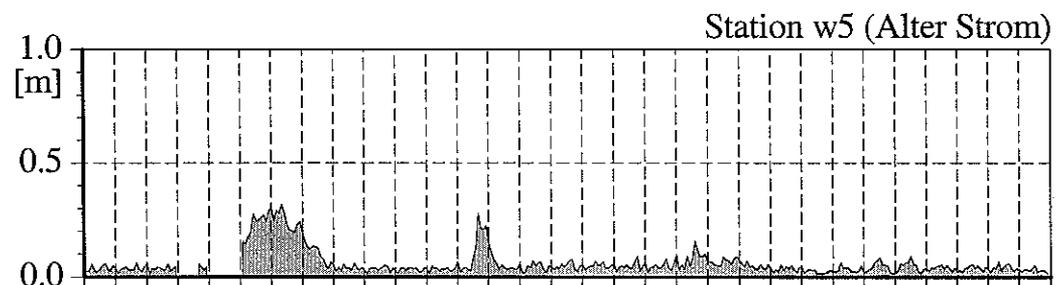
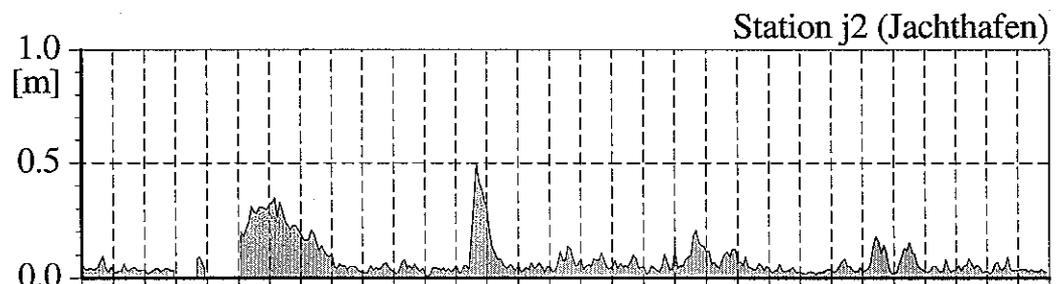
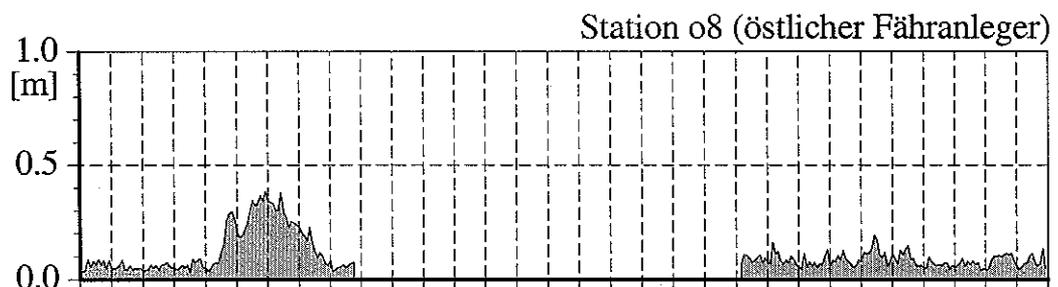
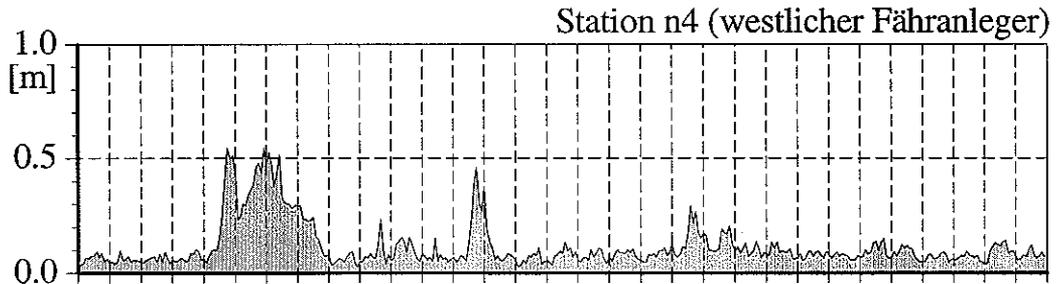
Dezember 1998



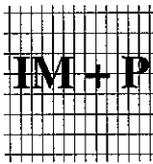
ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 31. 12. 1998

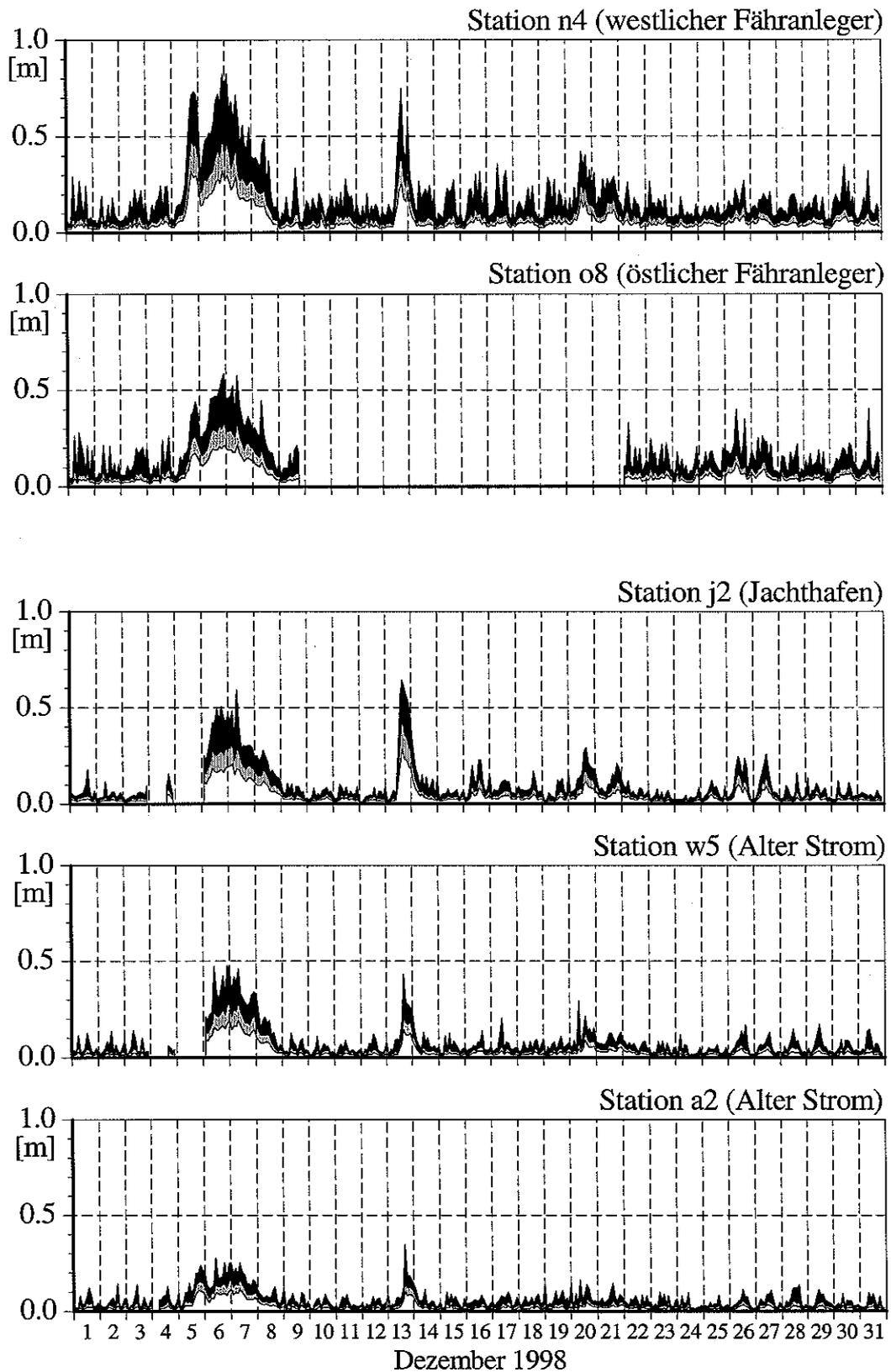


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Dezember 1998



ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max} 01. - 31. 12. 1998





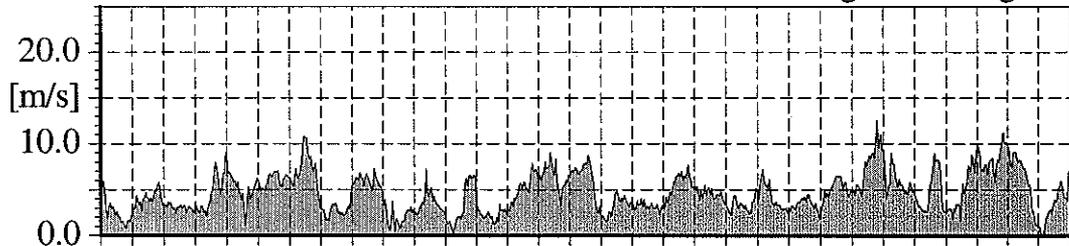
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Hydrologische Hauptwerte -

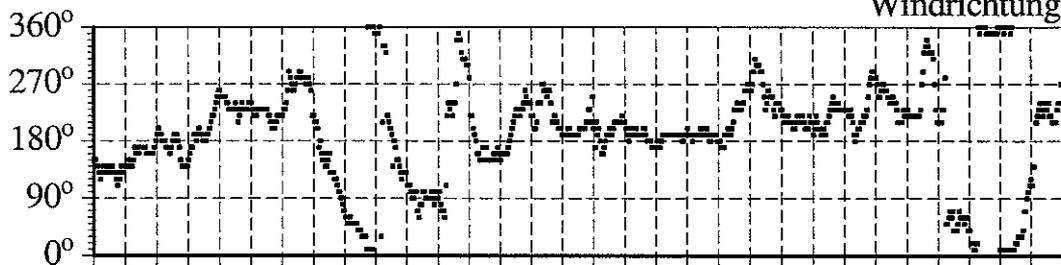
Wind - Seegang - Wasserstand

01. - 31. 01. 1999

Windgeschwindigkeit

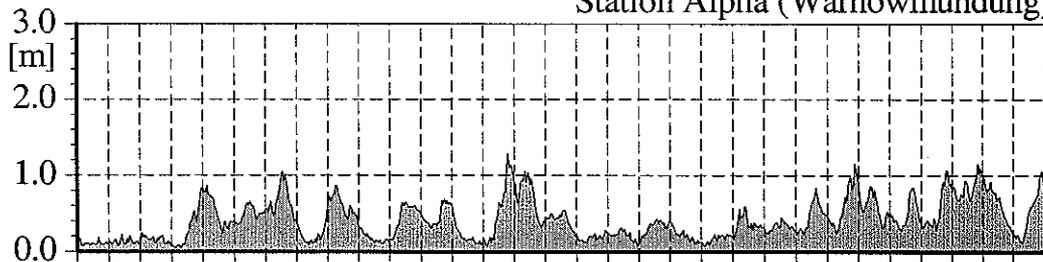


Windrichtung

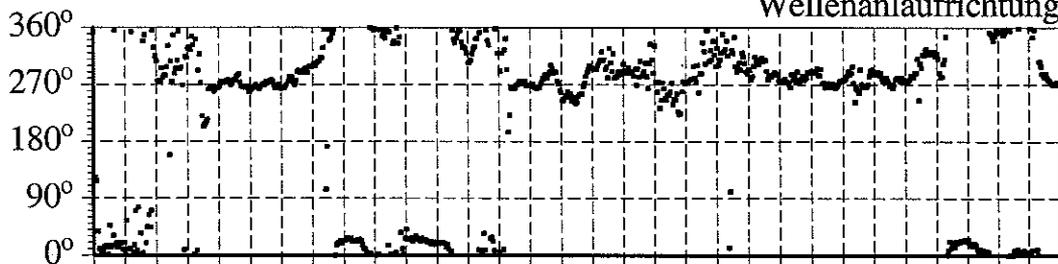


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

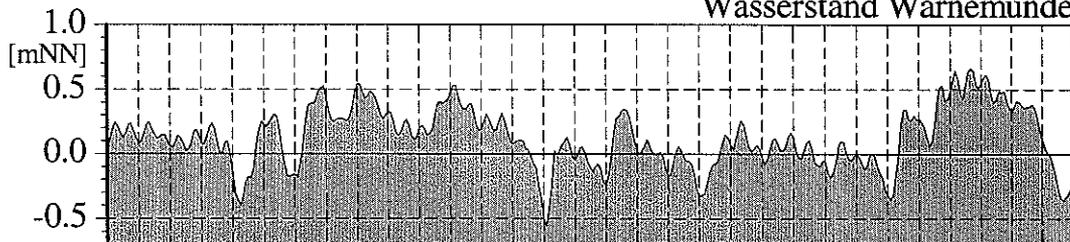


Wellenanlaufrichtung



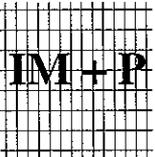
Station: Alpha (Warnowmündung)

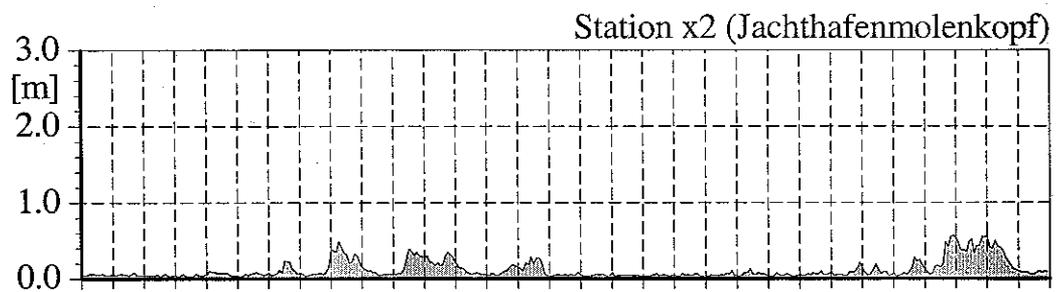
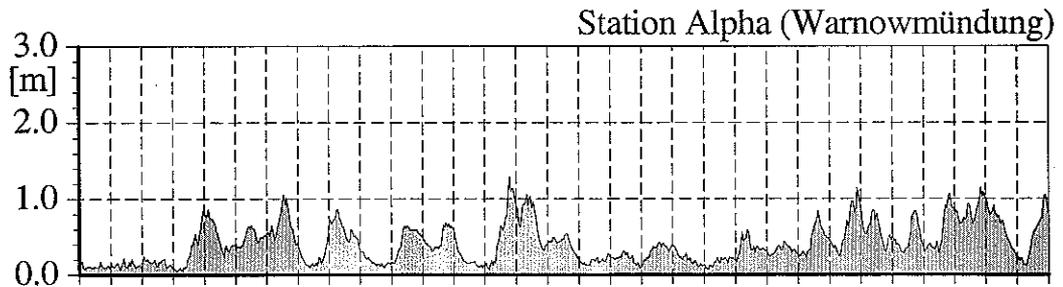
Wasserstand Warnemünde

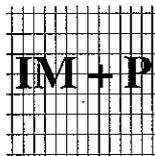


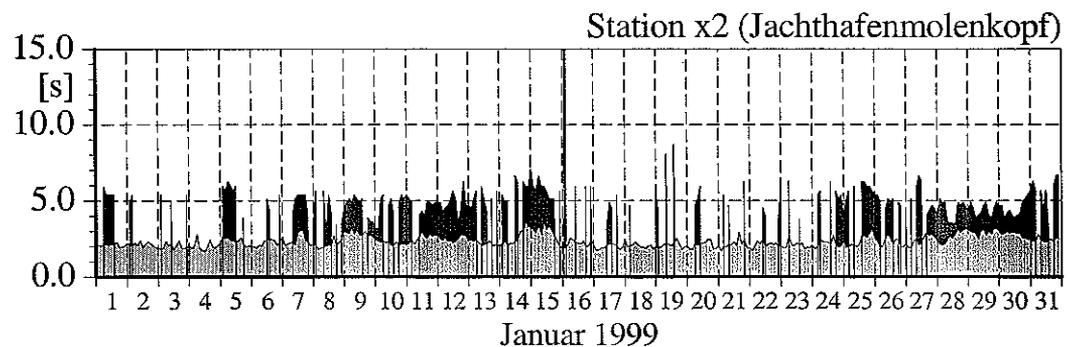
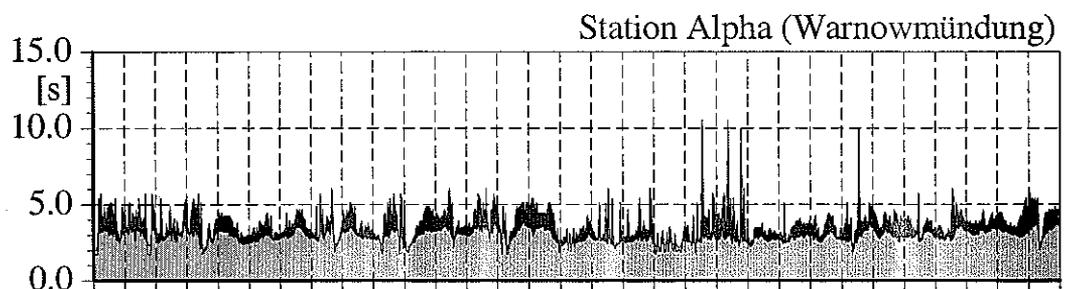
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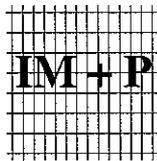
Januar 1999

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 01. 1999



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 31. 01. 1999

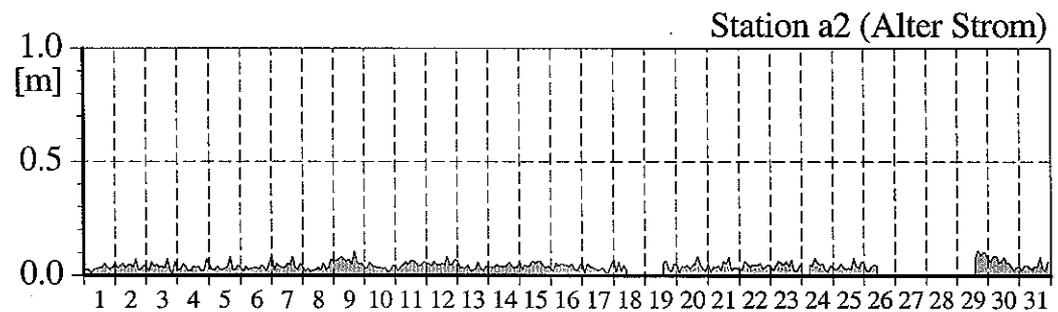
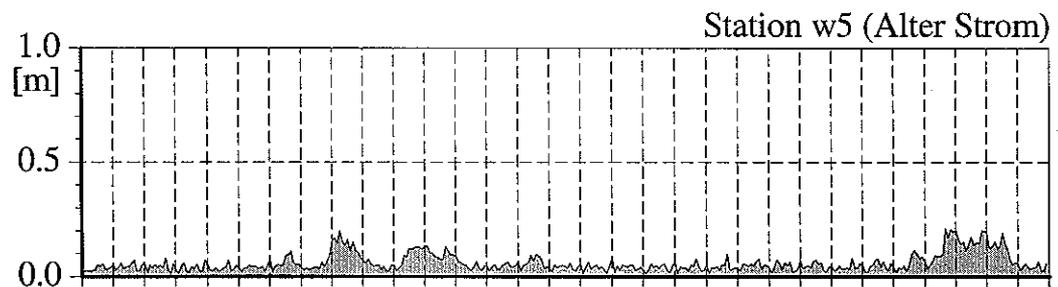
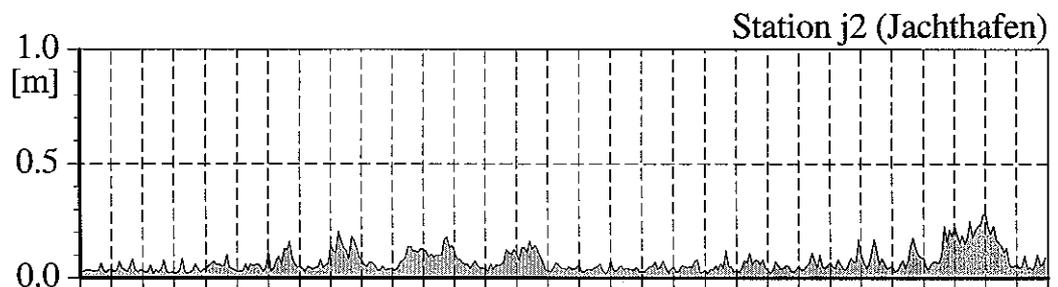
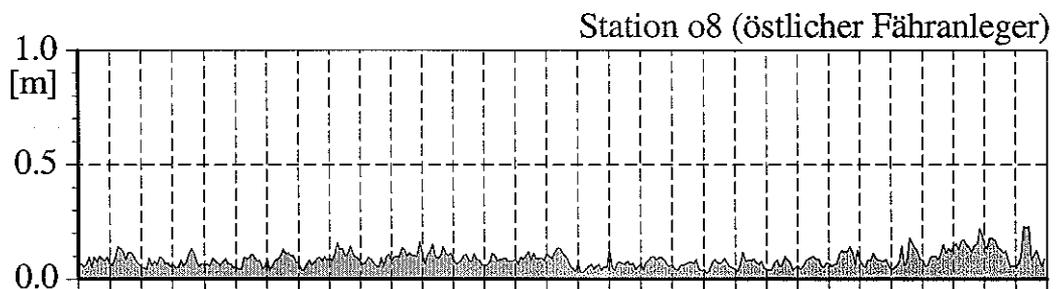
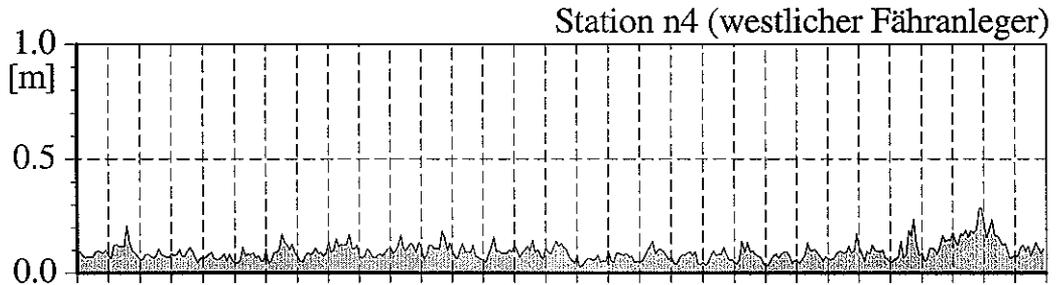




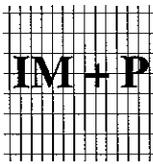
ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 31. 01. 1999



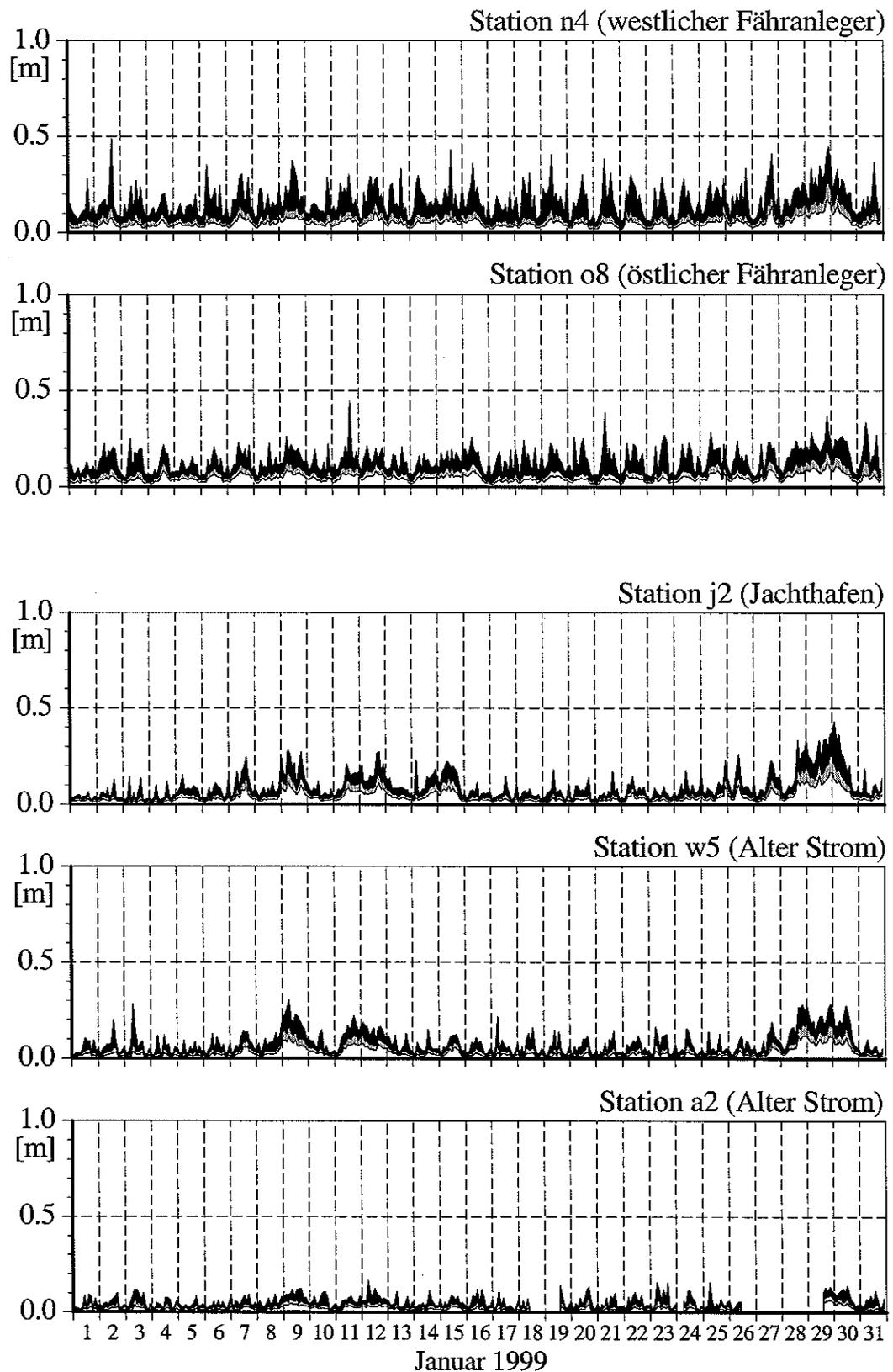
Januar 1999

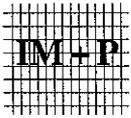


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max}

01. - 31. 01. 1999

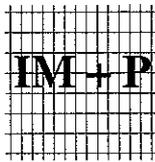




Ingenieurbüro Dr.-Ing. Manzenrieder und Partner GbR, Oldenburg

Ausbau d. Zufahrt z. Seehafen Rostock, Beweissicherung 1996, 1998/99 + 1999/2000

Anlage 2.3: Messkampagne III (1999/2000) (44 Seiten)

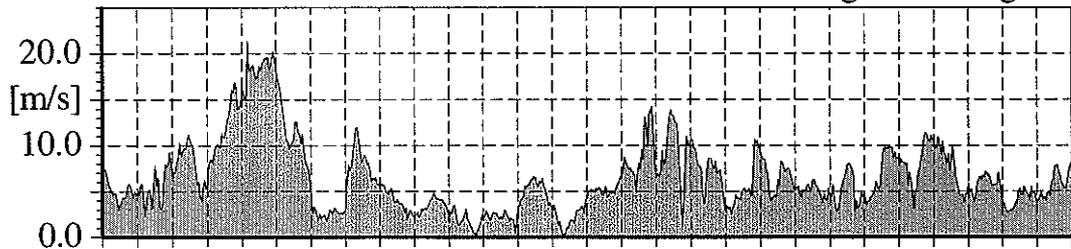


ZUFAHRT ZUM SEEHAFEN ROSTOCK

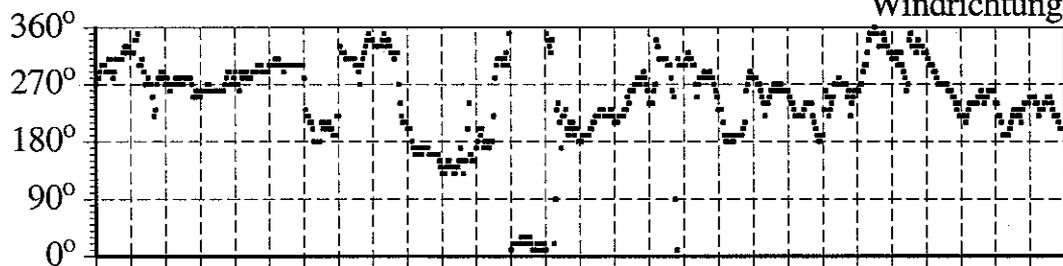
- Beweissicherung: Hydrologische Hauptwerte -

Wind - Seegang - Wasserstand | 01. - 28. 02. 1999

Windgeschwindigkeit

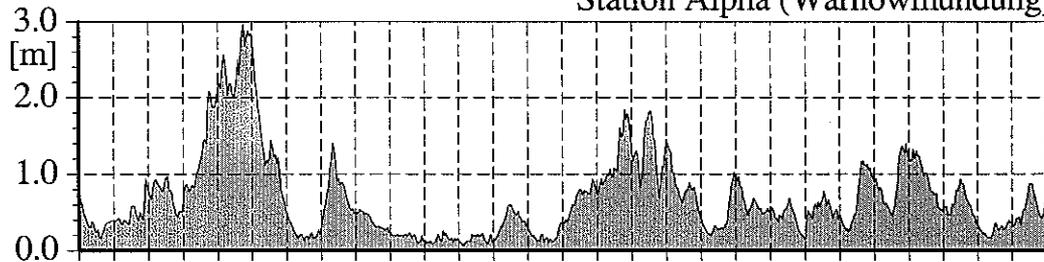


Windrichtung

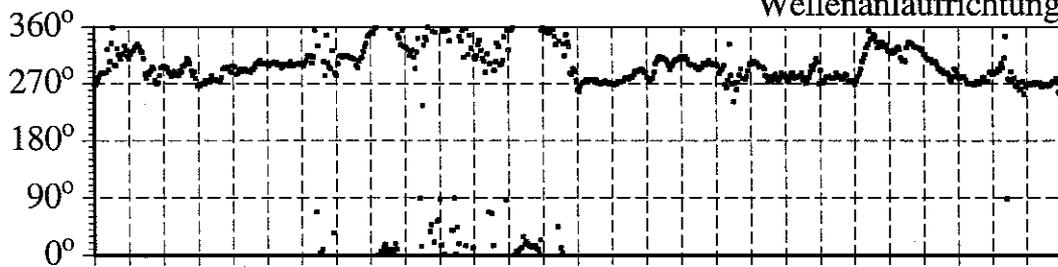


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

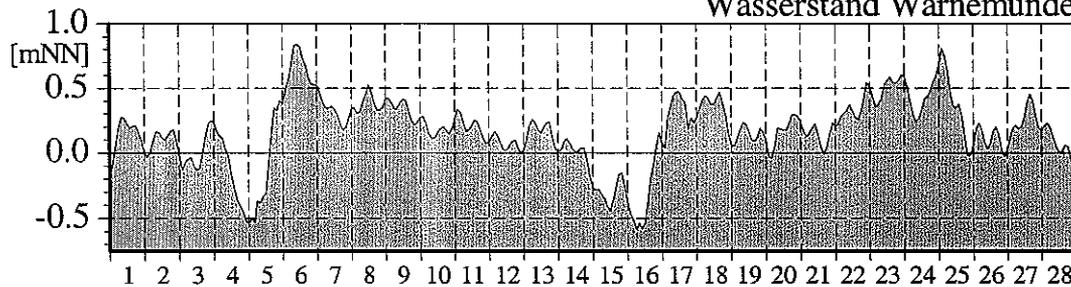


Wellenanlaufrichtung

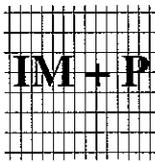


Station: Alpha (Warnowmündung)

Wasserstand Warnemünde



Februar 1999

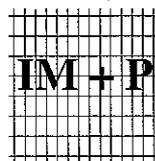
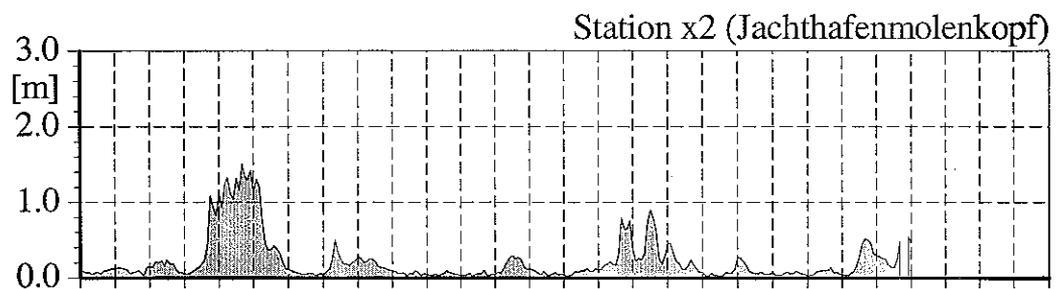
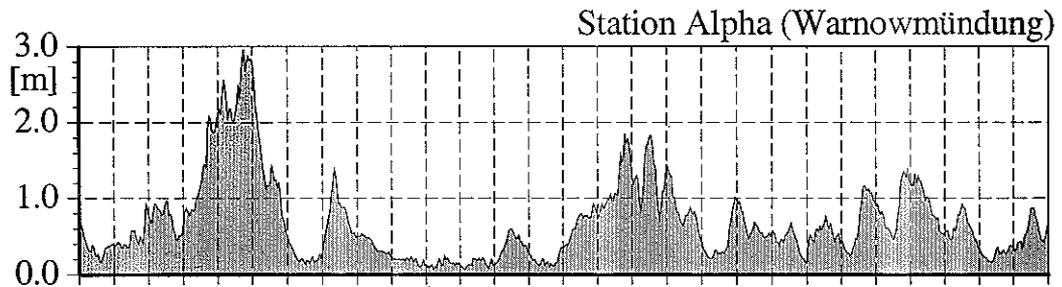


ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 28. 02. 1999

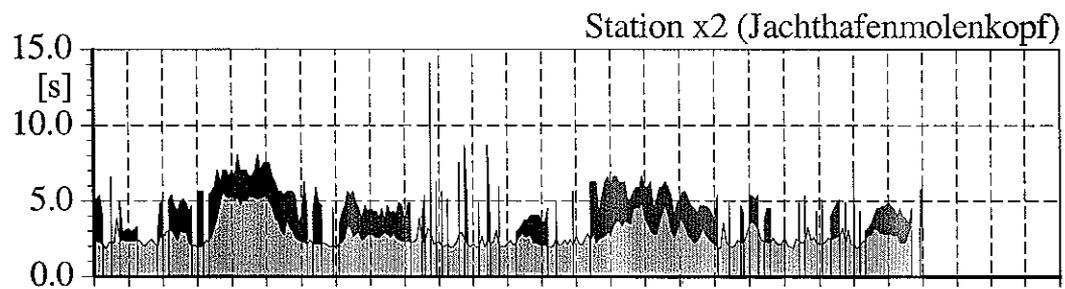
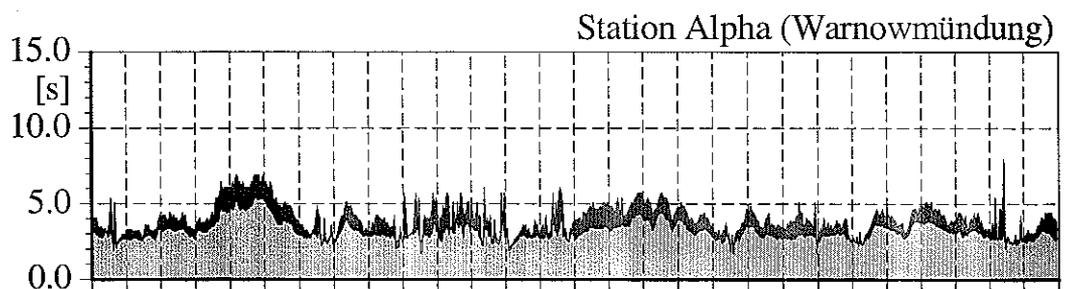


ZUFAHRT ZUM SEEHAFEN ROSTOCK

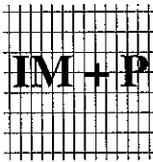
- Beweissicherung: Seegangsmessungen -

Wellenperiode: T_{m02} T_p

01. - 28. 02. 1999



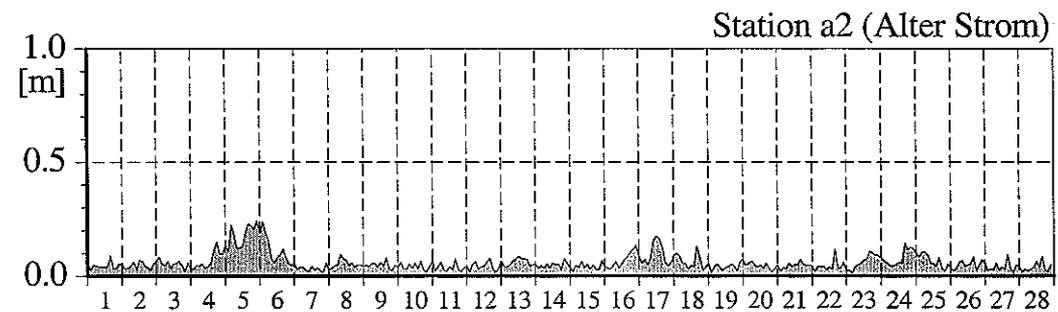
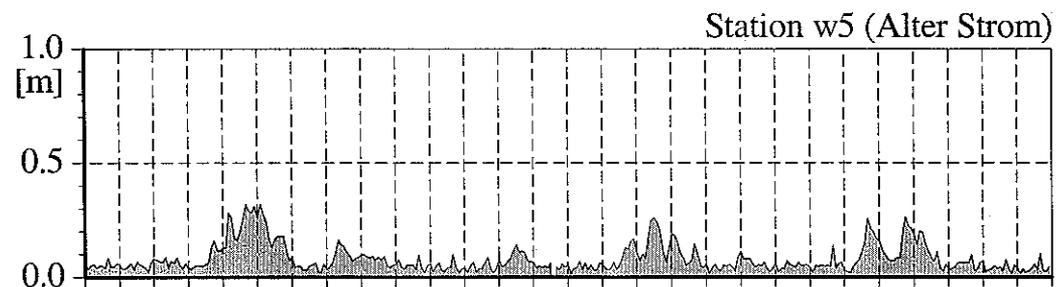
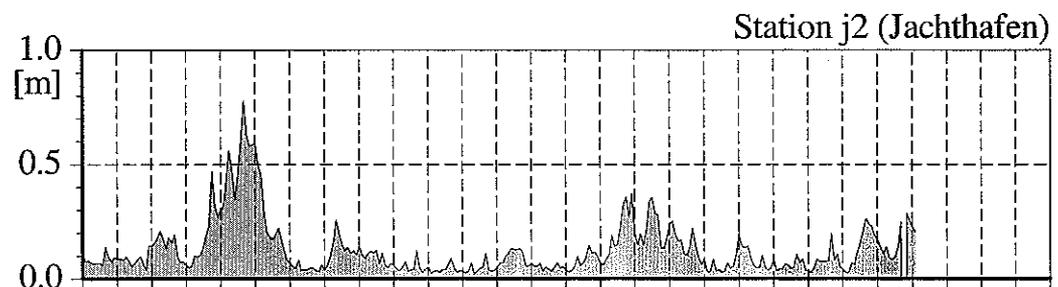
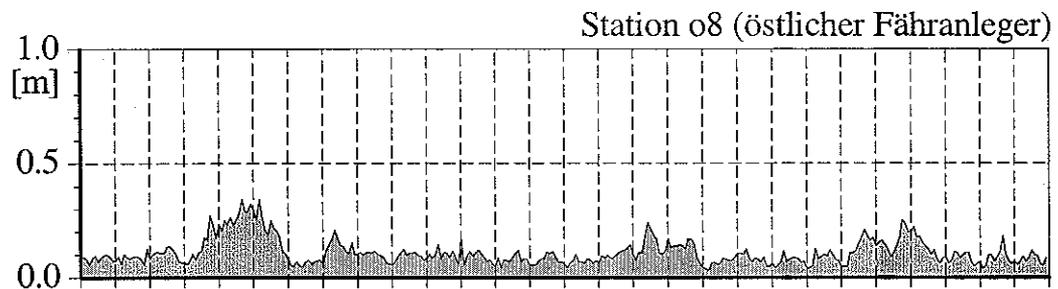
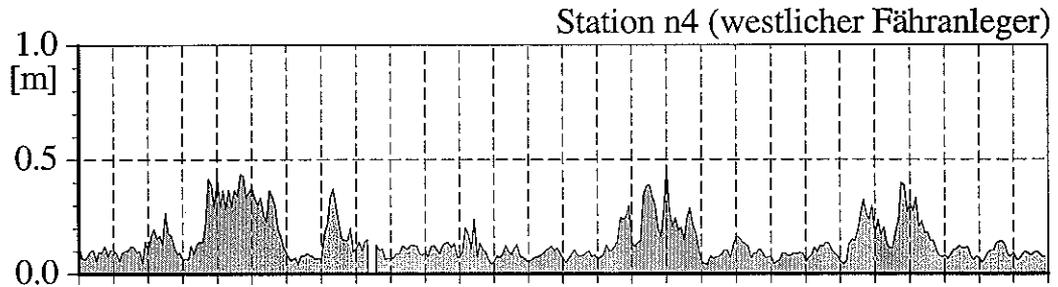
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Februar 1999



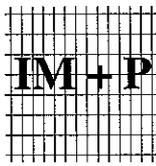
ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 28. 02. 1999



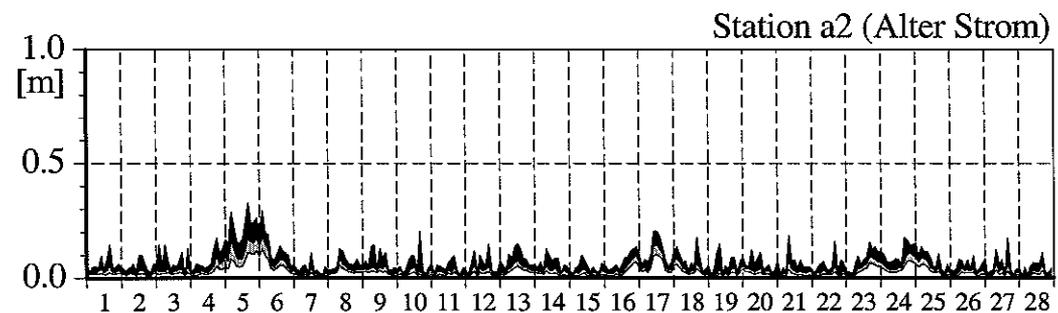
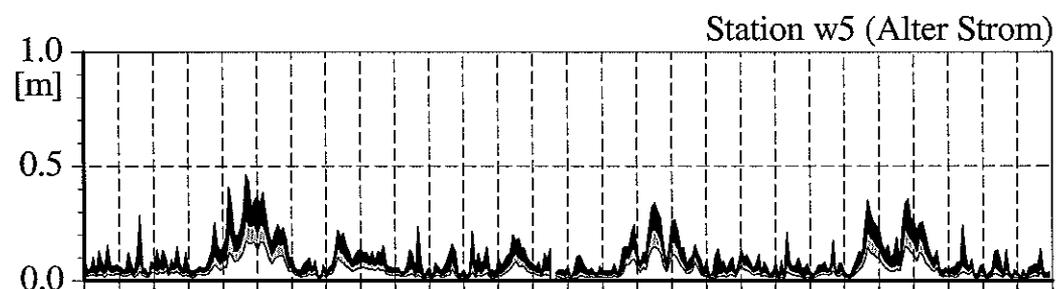
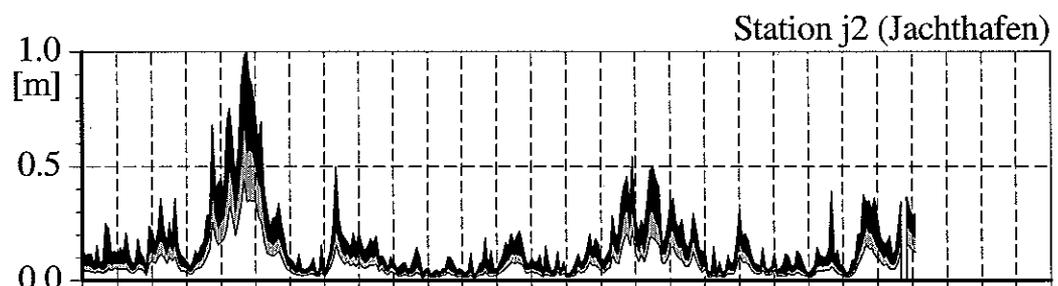
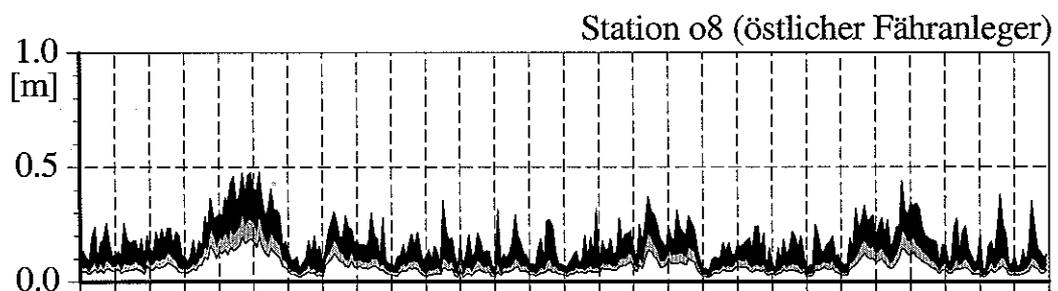
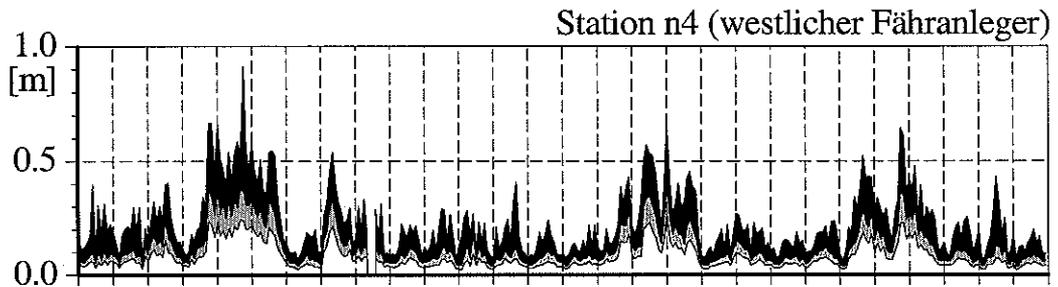
Februar 1999



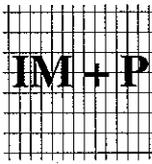
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max} 01. - 28. 02. 1999



Februar 1999

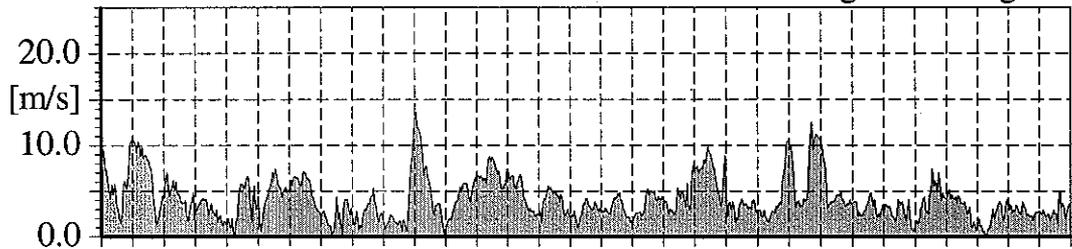


ZUFAHRT ZUM SEEHAFEN ROSTOCK

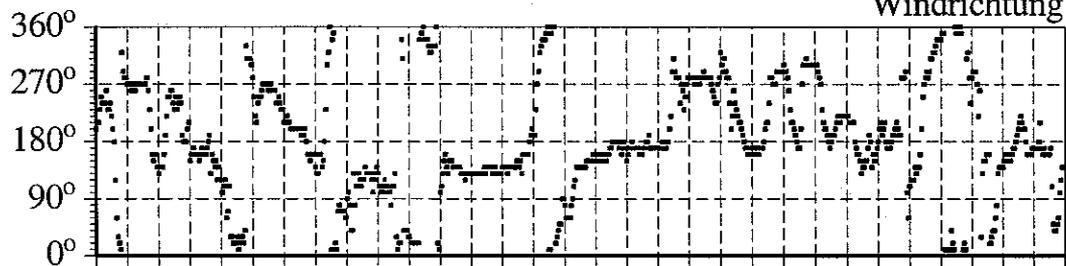
- Beweissicherung: Hydrologische Hauptwerte -

Wind - Seegang - Wasserstand | 01. - 31. 03. 1999

Windgeschwindigkeit

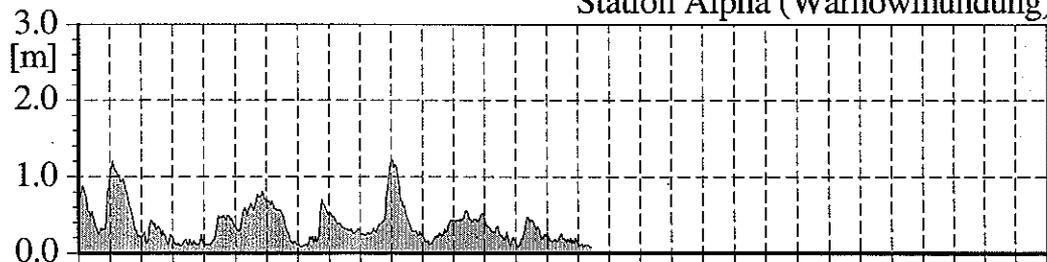


Windrichtung

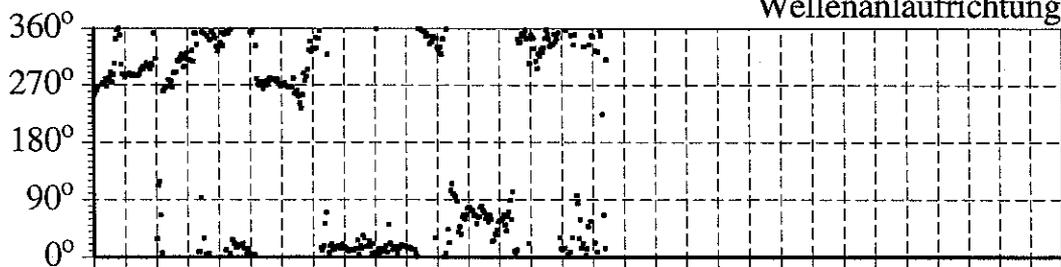


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

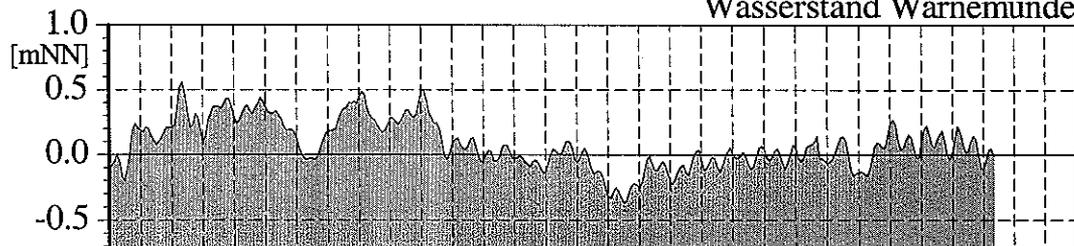


Wellenanlaufrichtung



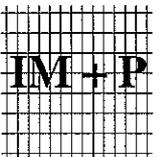
Station: Alpha (Warnowmündung)

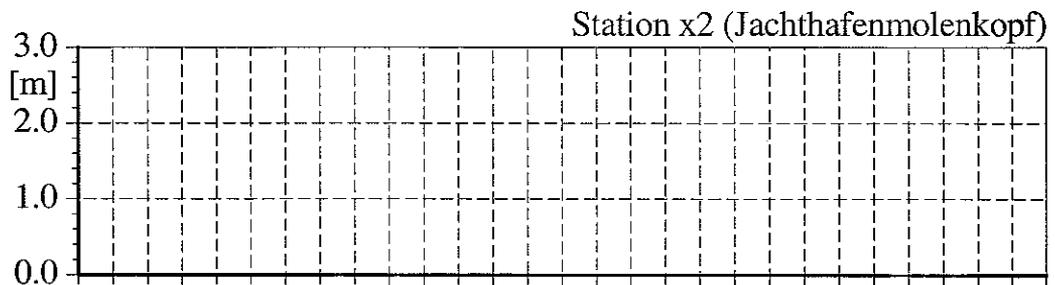
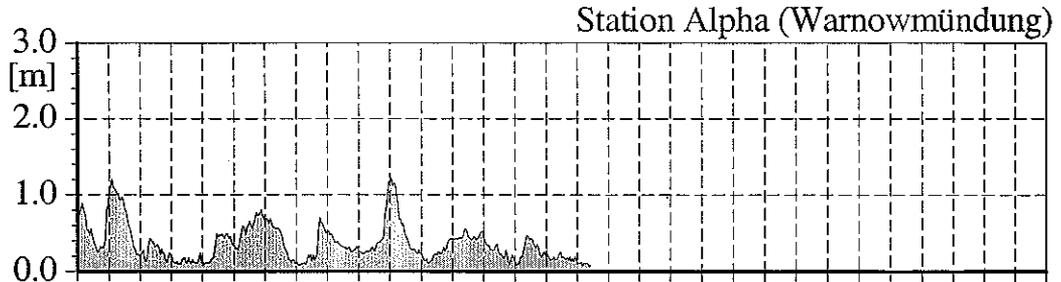
Wasserstand Warnemünde

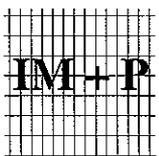


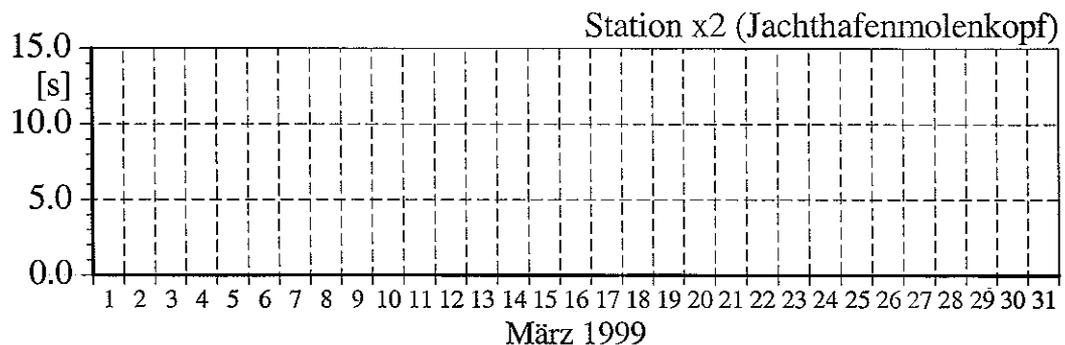
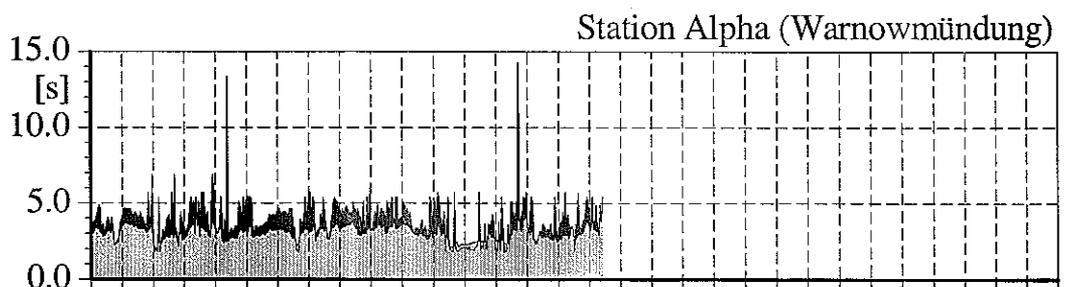
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31

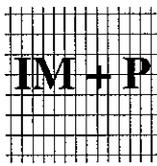
März 1999

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 03. 1999



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 31. 03. 1999



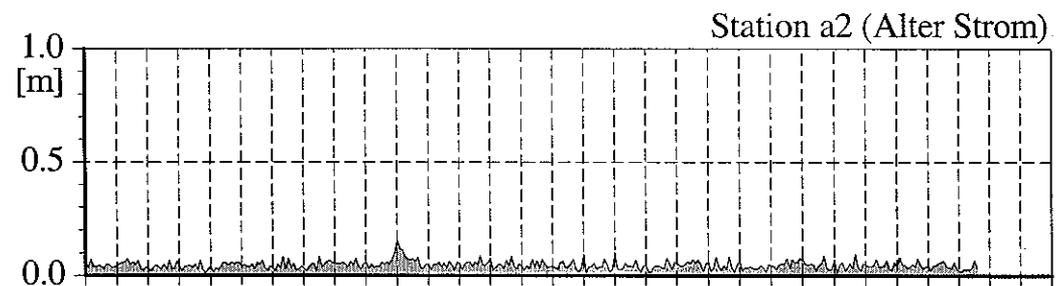
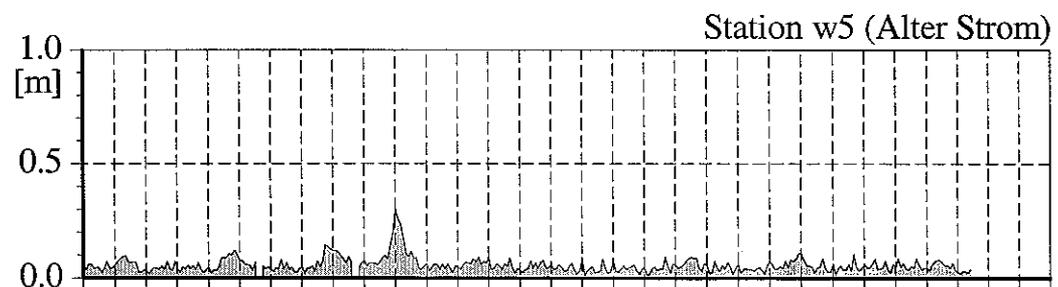
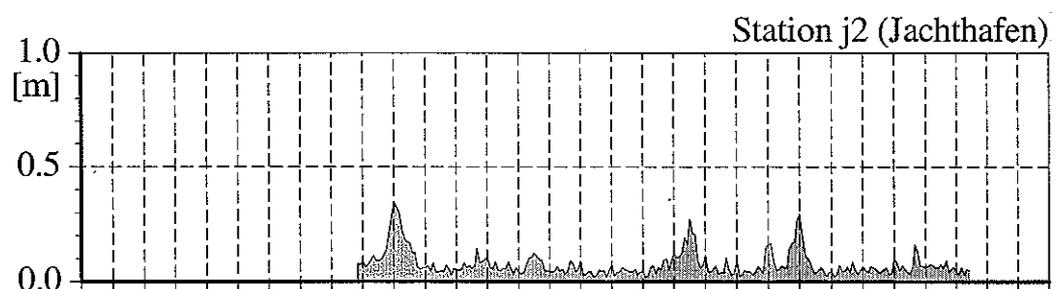
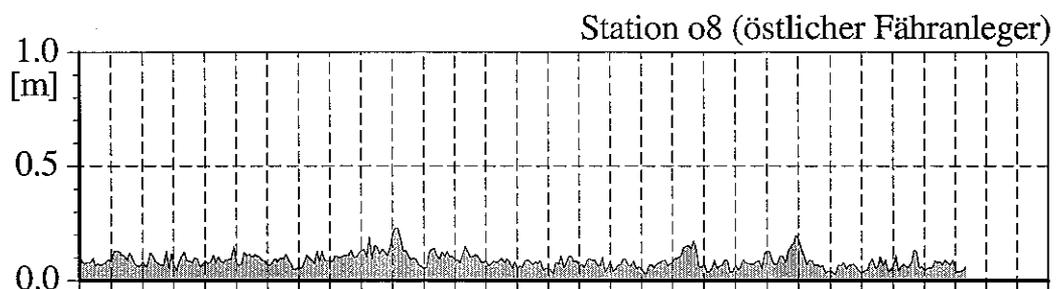
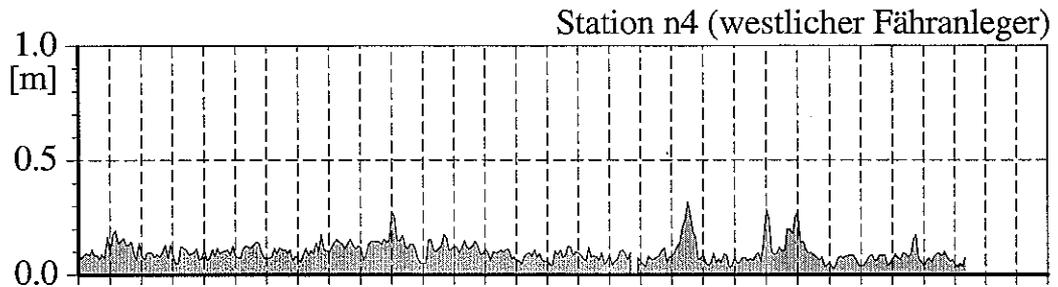


ZUFAHRT ZUM SEEHAFEN ROSTOCK

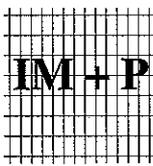
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 31. 03. 1999



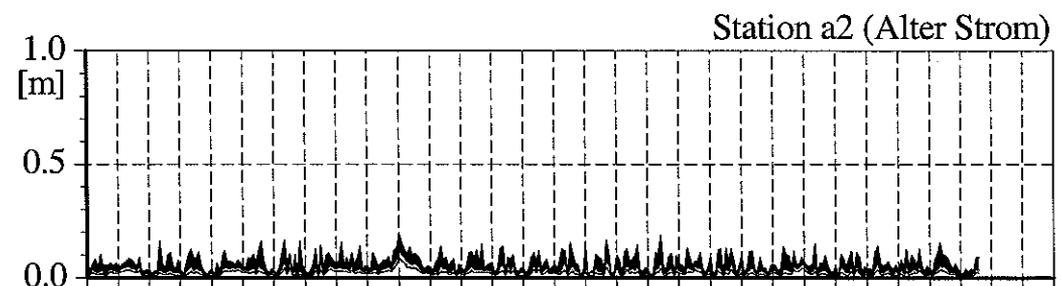
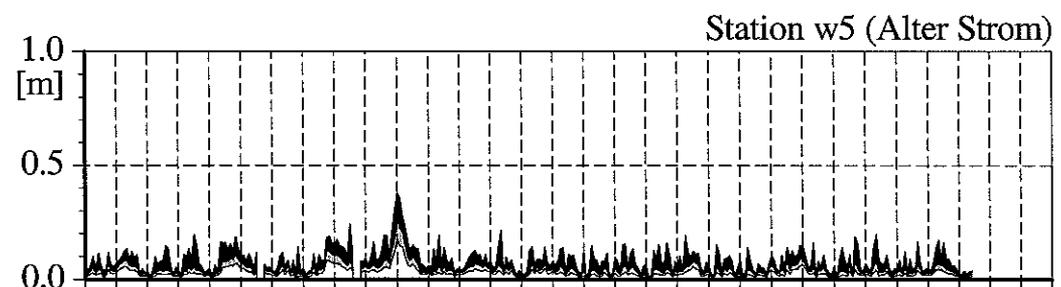
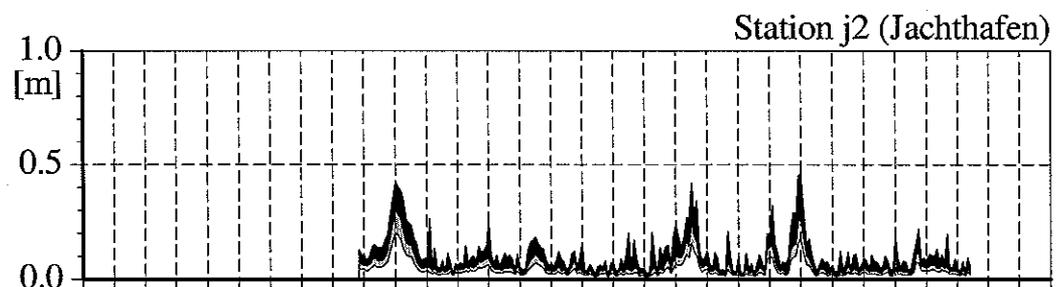
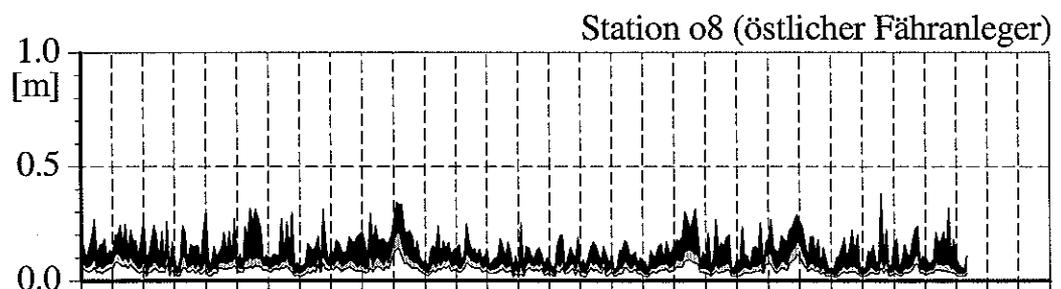
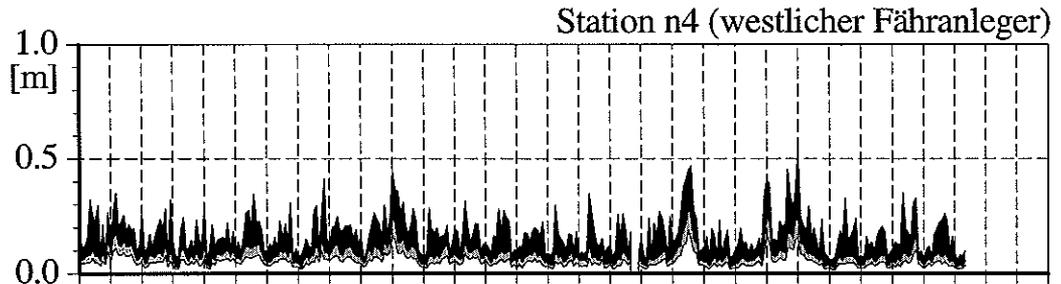
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
März 1999



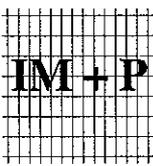
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max} 01. - 31. 03. 1999



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
März 1999



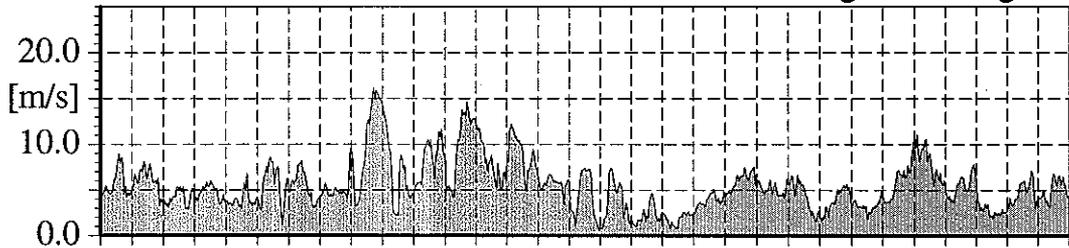
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Hydrologische Hauptwerte -

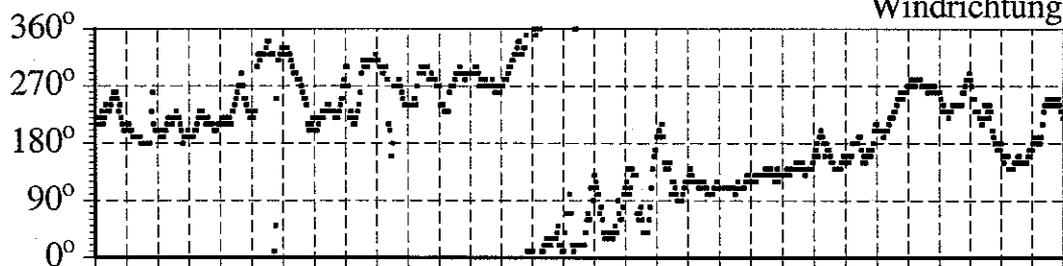
Wind - Seegang - Wasserstand

01. - 31. 10. 1999

Windgeschwindigkeit

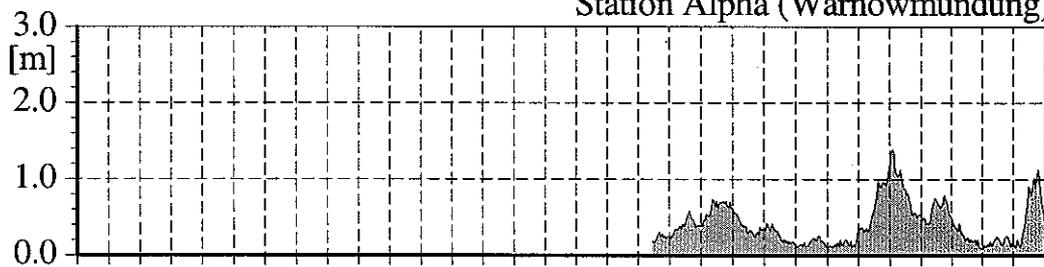


Windrichtung

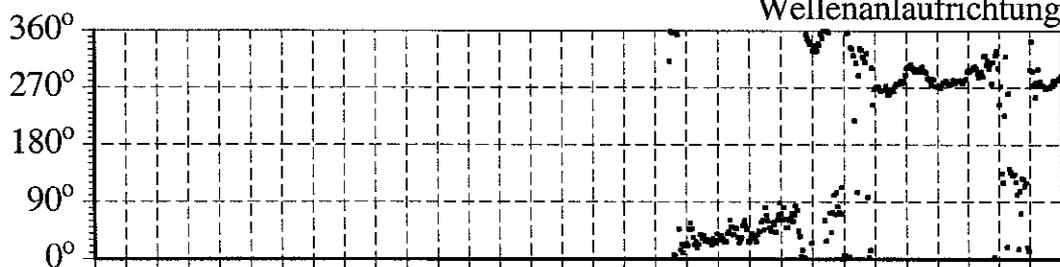


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

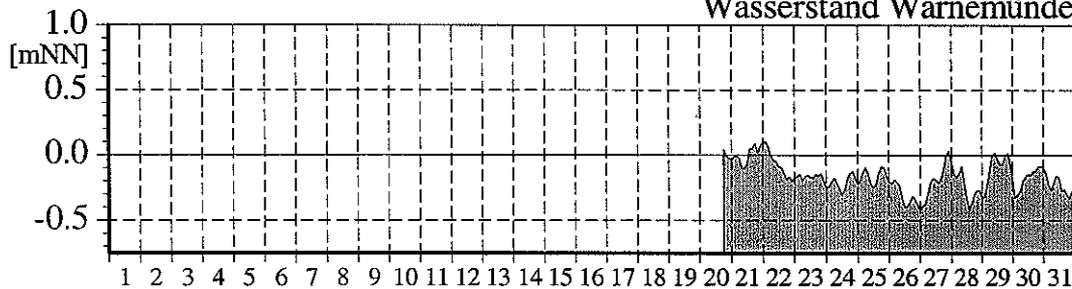


Wellenanlaufrichtung

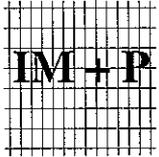


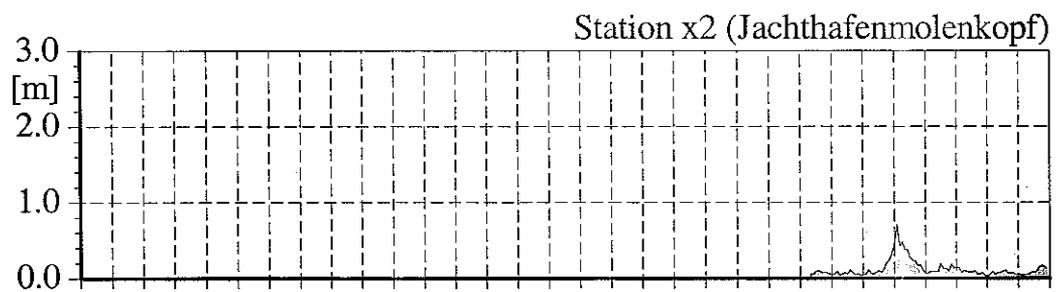
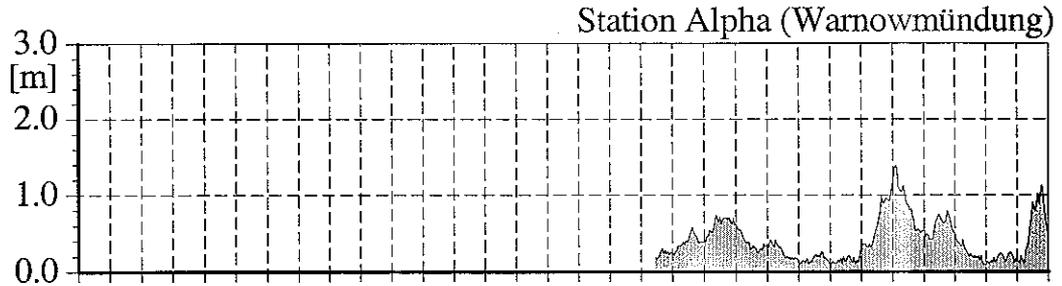
Station: Alpha (Warnowmündung)

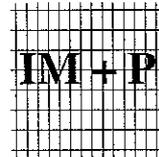
Wasserstand Warnemünde

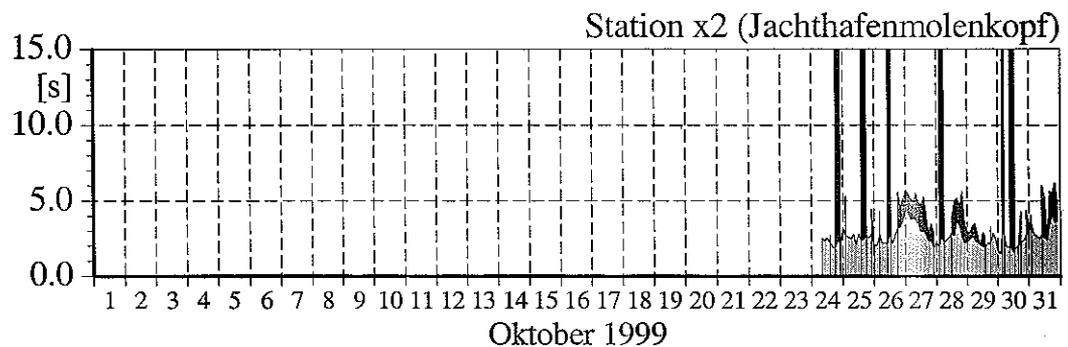
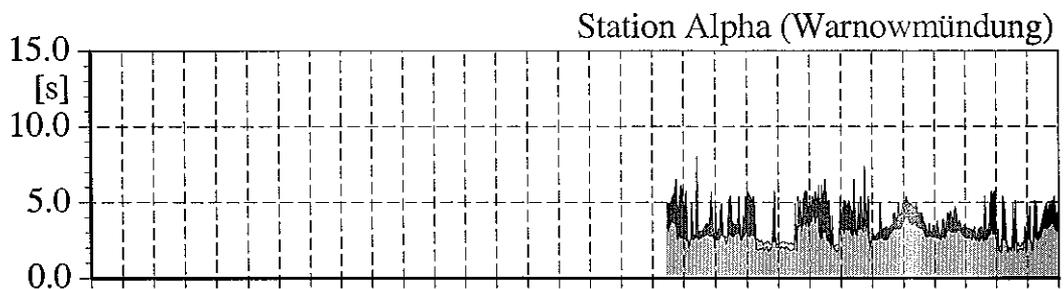


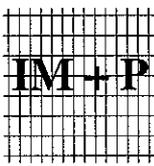
Oktober 1999

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 10. 1999



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 31. 10. 1999

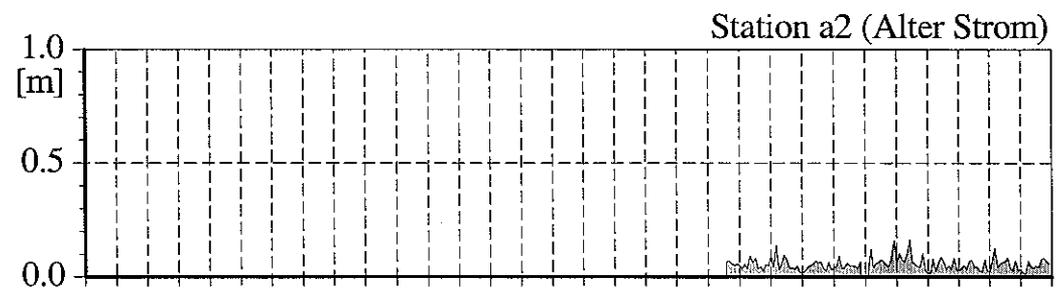
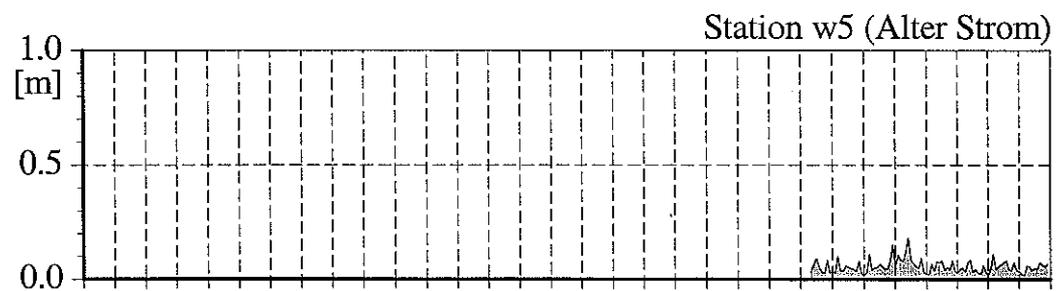
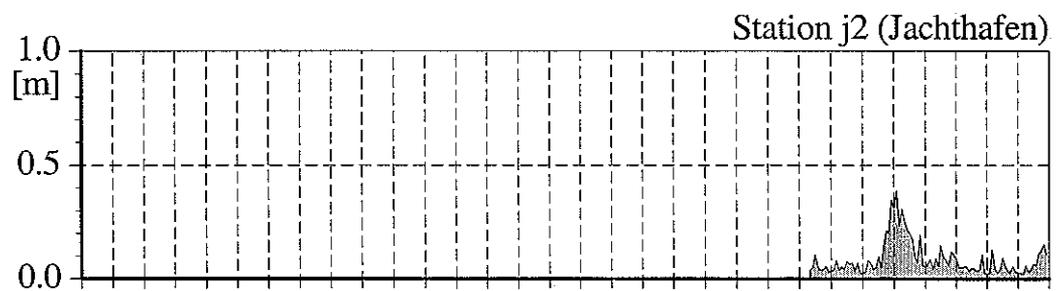
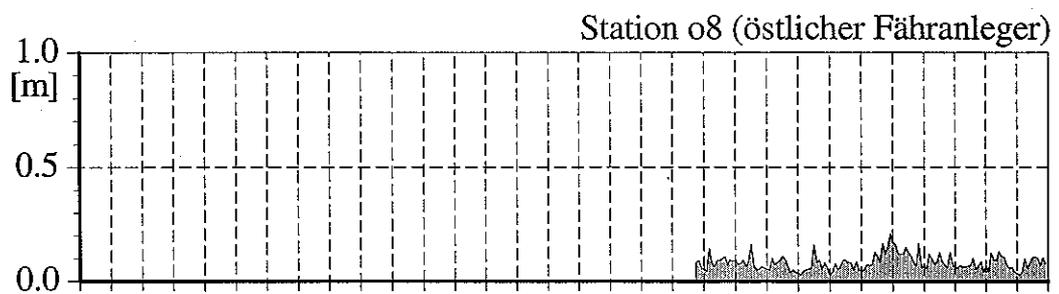
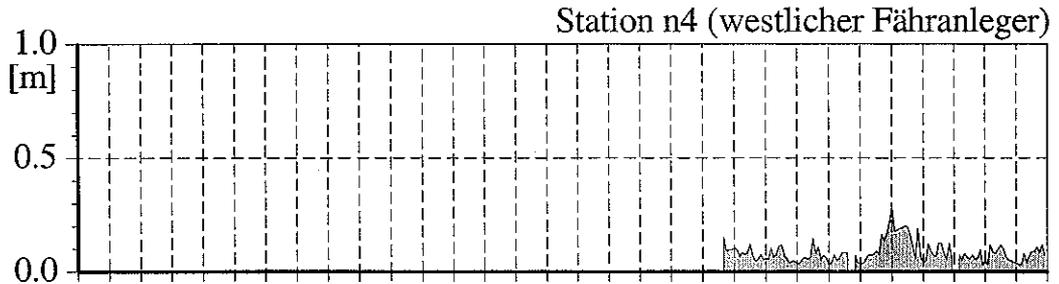




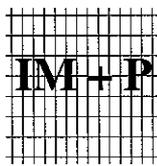
ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 31. 10. 1999

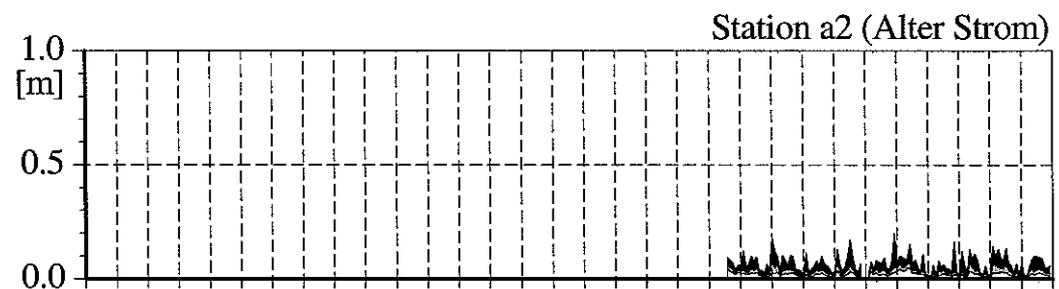
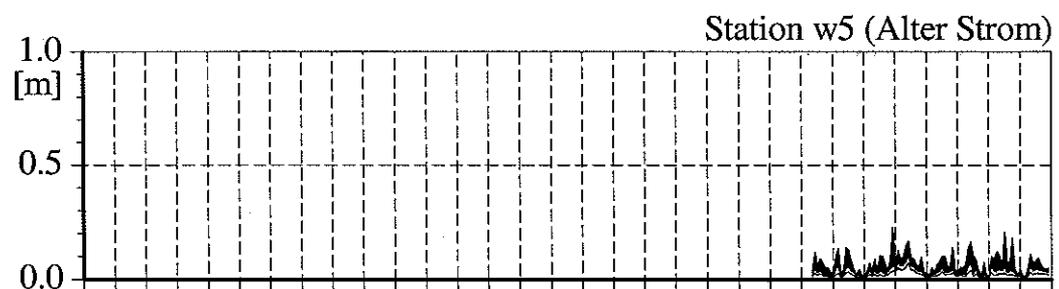
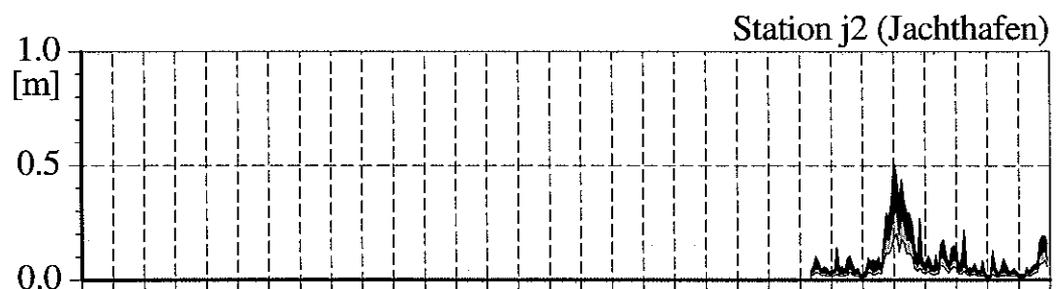
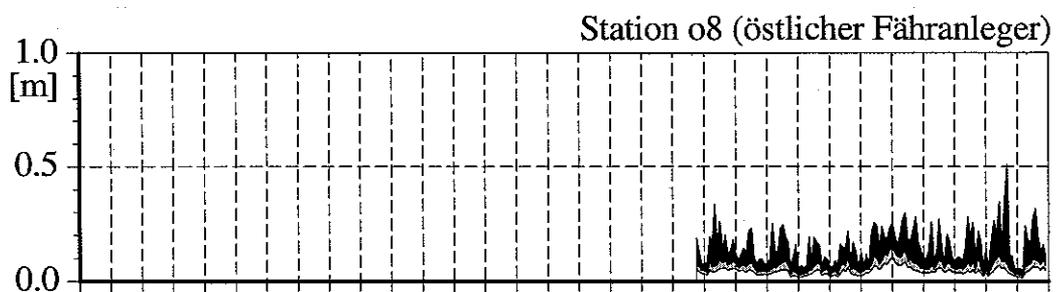
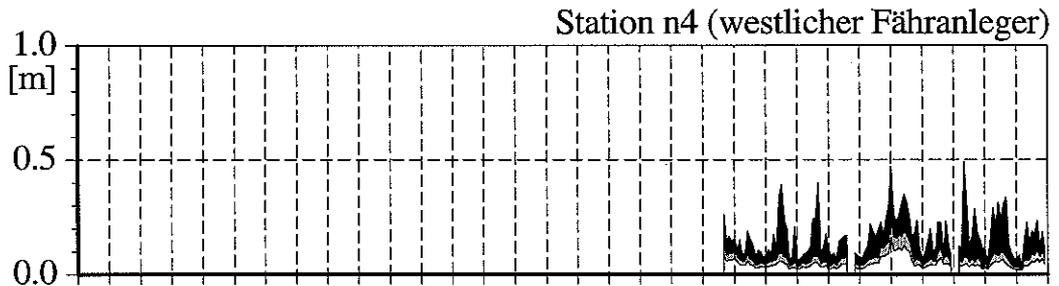


Oktober 1999

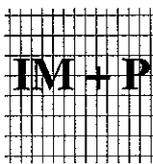


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max} 01. - 31. 10. 1999



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Oktober 1999



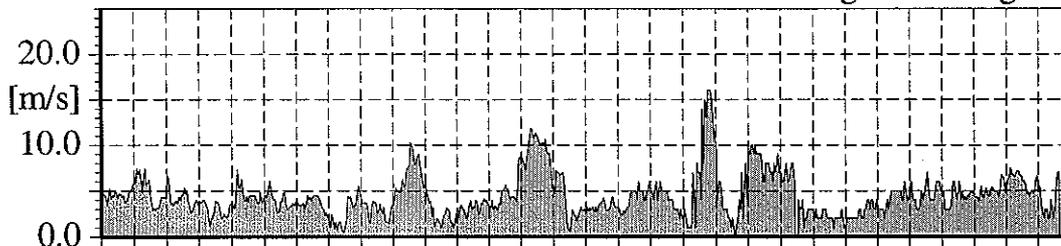
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Hydrologische Hauptwerte -

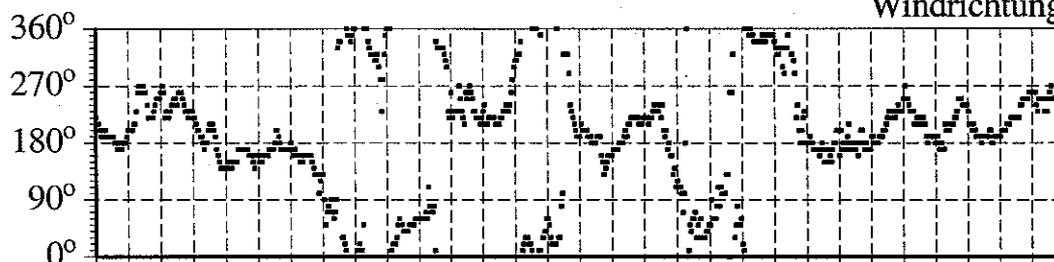
Wind - Seegang - Wasserstand

01. - 30. 11. 1999

Windgeschwindigkeit

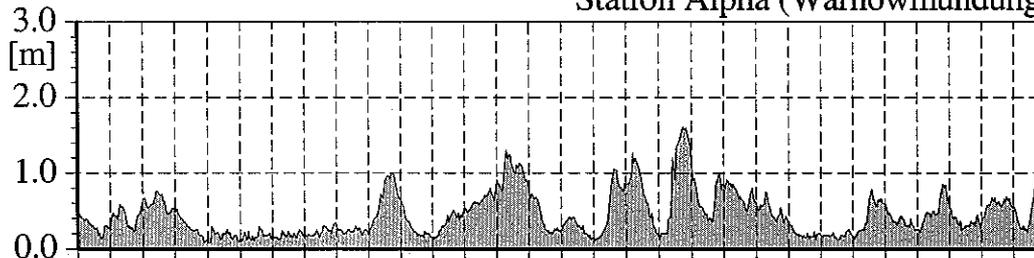


Windrichtung

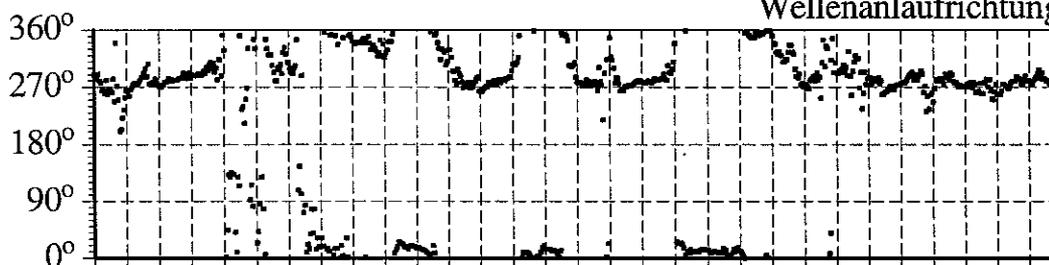


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

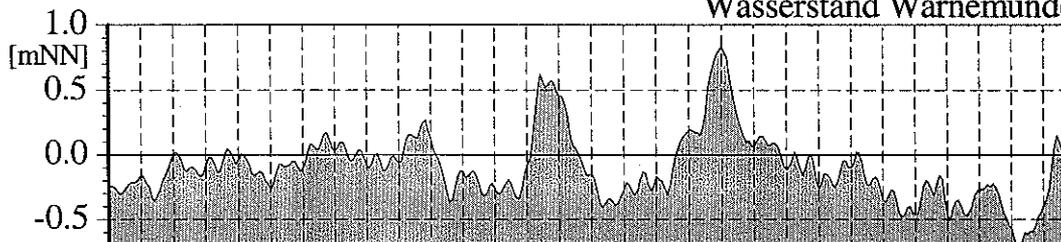


Wellenanlaufrichtung

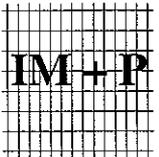


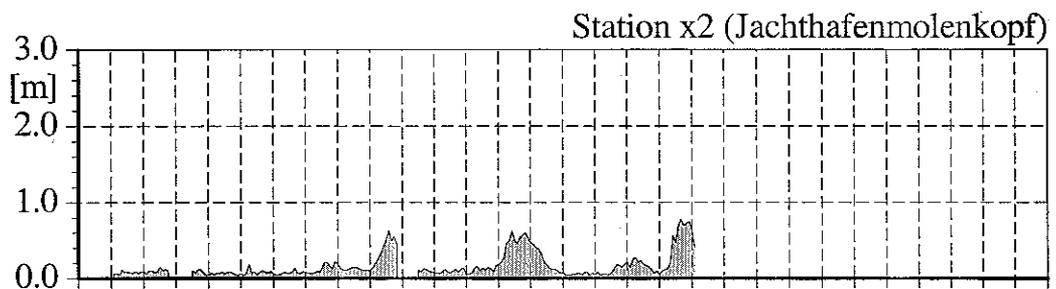
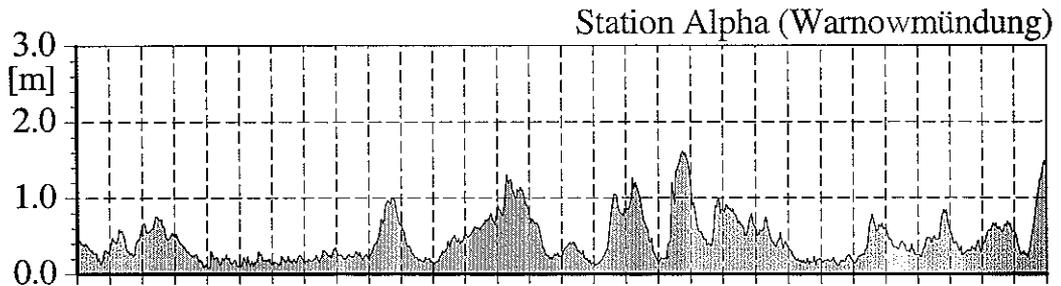
Station: Alpha (Warnowmündung)

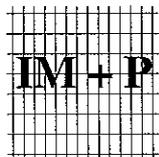
Wasserstand Warnemünde

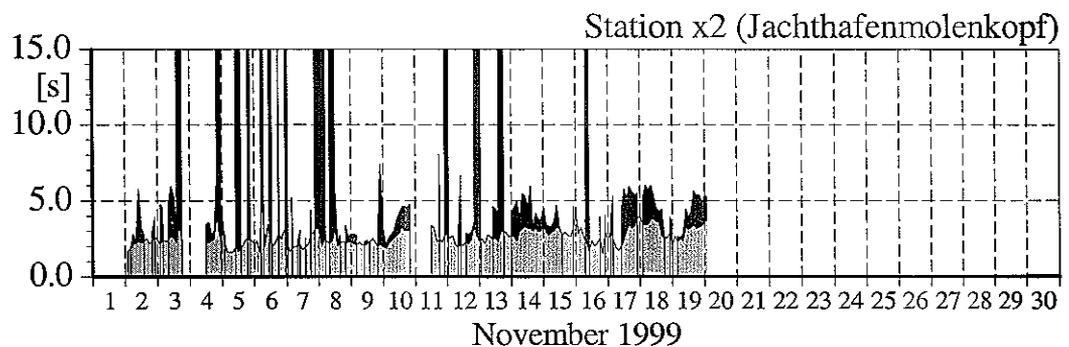
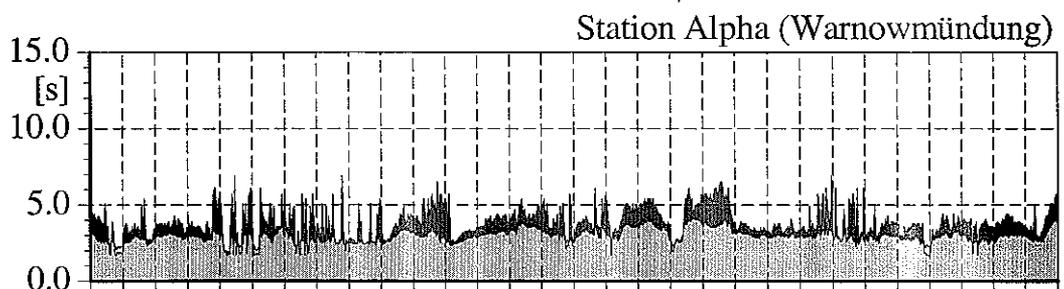


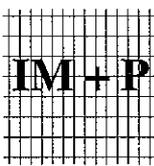
November 1999

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 30. 11. 1999



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 30. 11. 1999

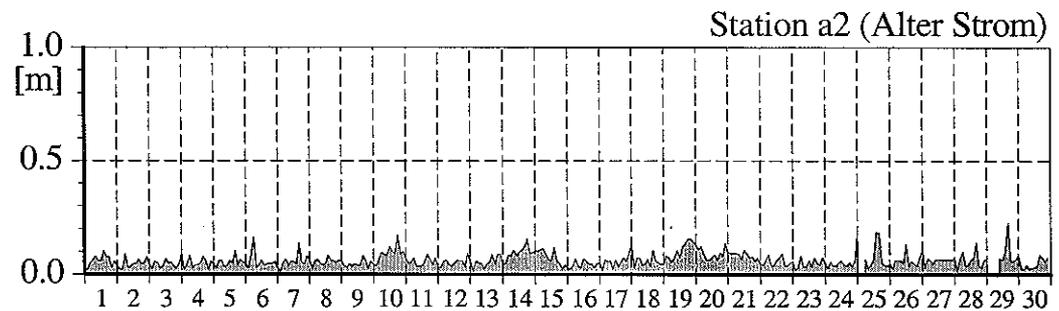
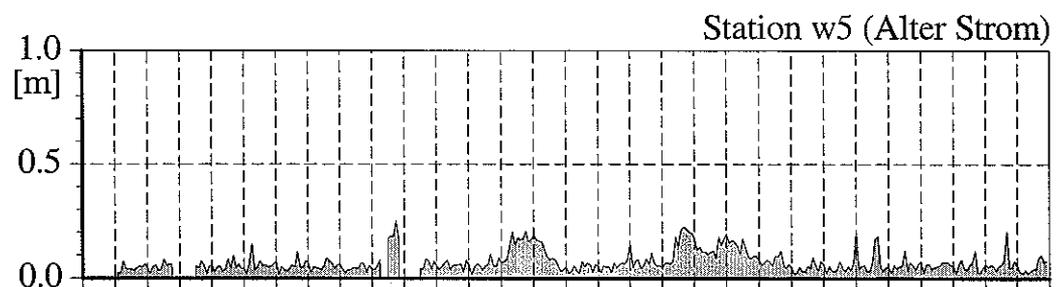
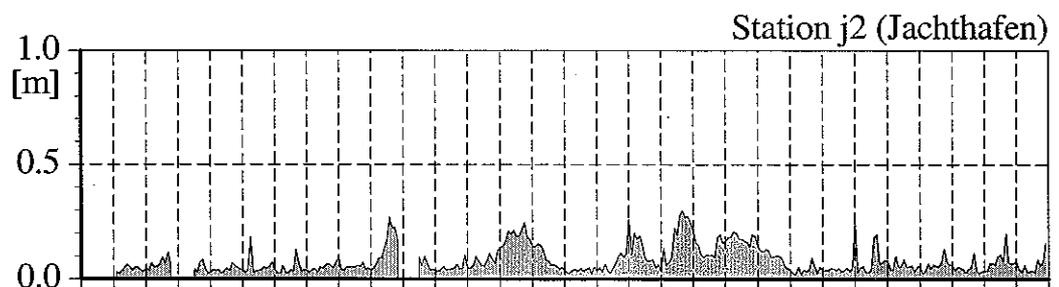
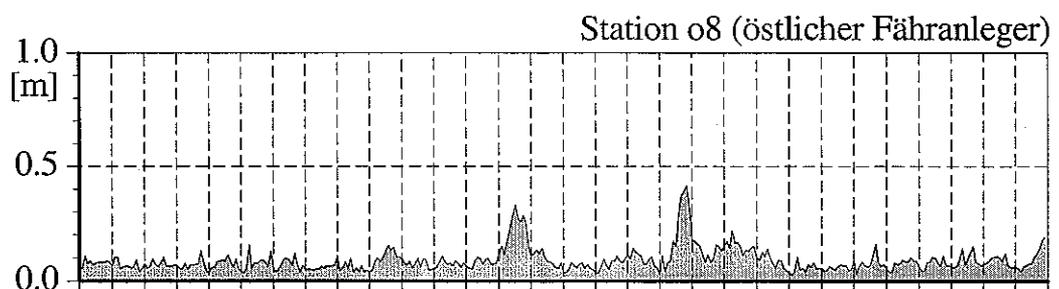
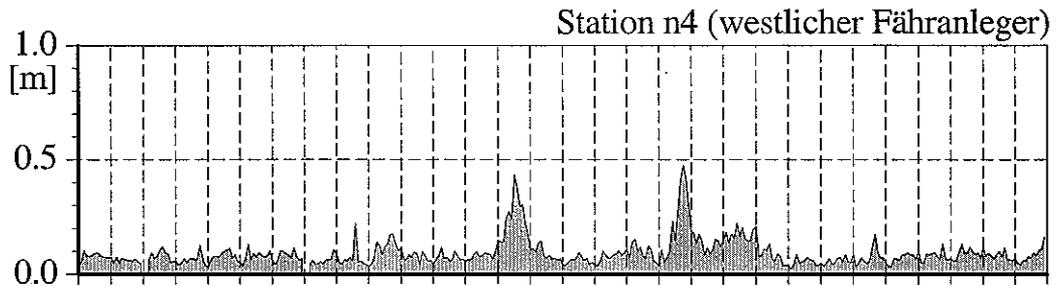




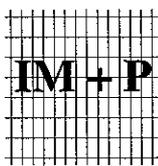
ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 30. 11. 1999



November 1999

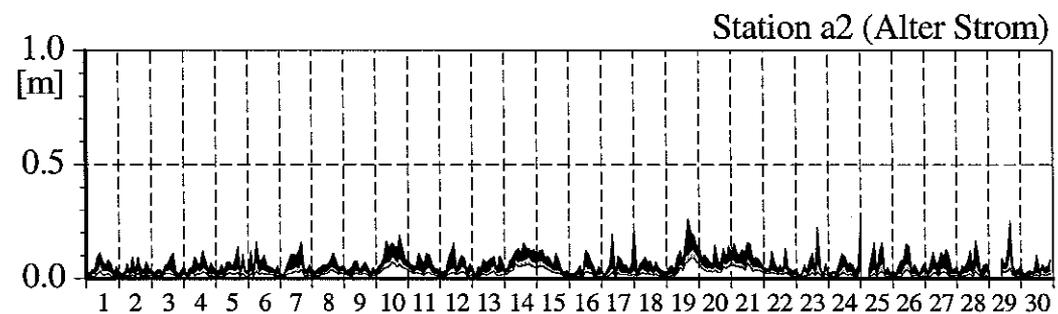
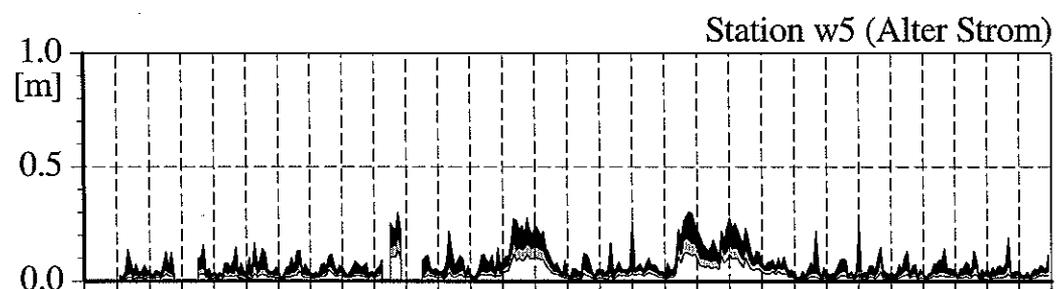
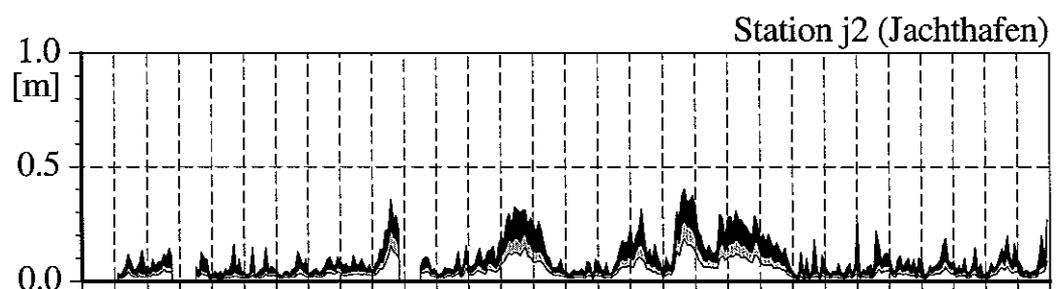
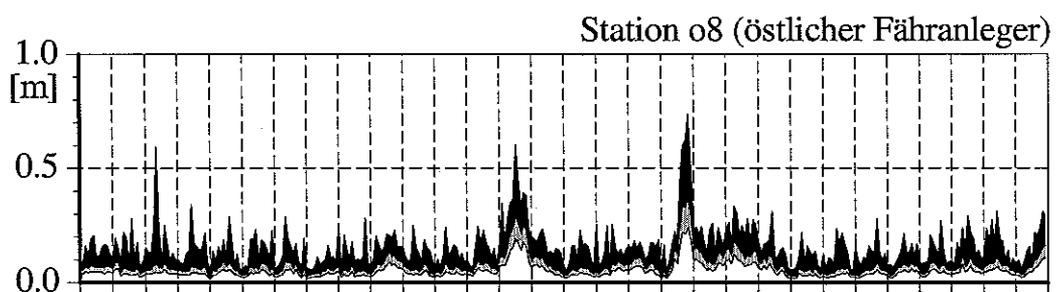
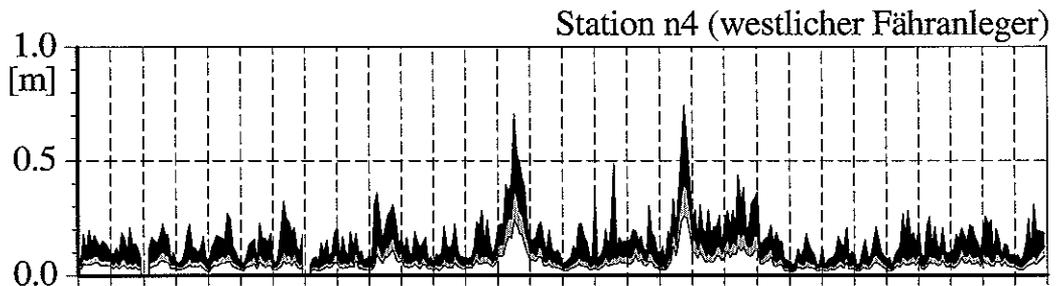


ZUFAHRT ZUM SEEHAFEN ROSTOCK

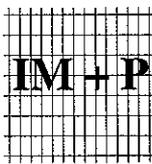
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: \square H_m \square $H_{1/3}$ \blacksquare H_{max}

01. - 30. 11. 1999

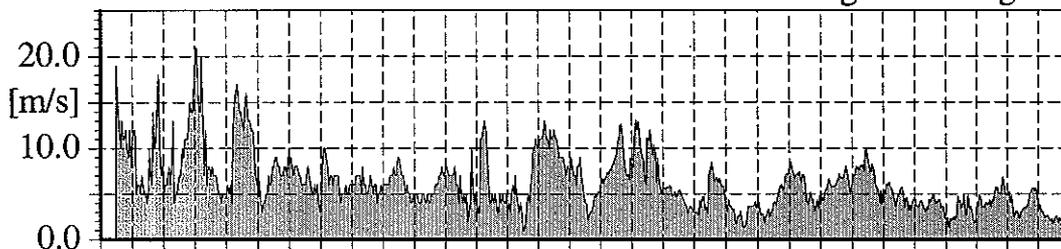


November 1999

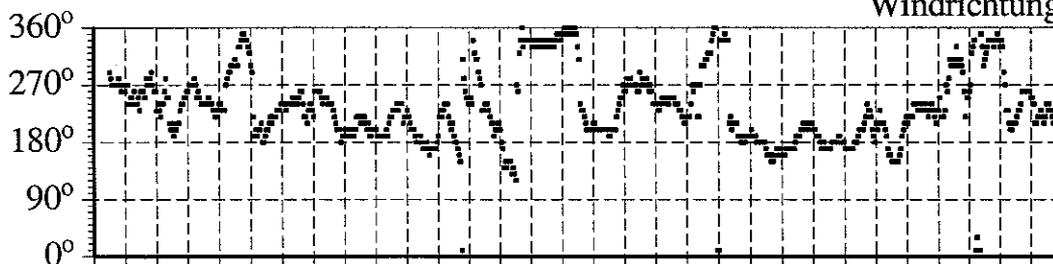


ZUFAHRT ZUM SEEHAFEN ROSTOCK
- Beweissicherung: Hydrologische Hauptwerte -
Wind - Seegang - Wasserstand | 01. - 31. 12. 1999

Windgeschwindigkeit

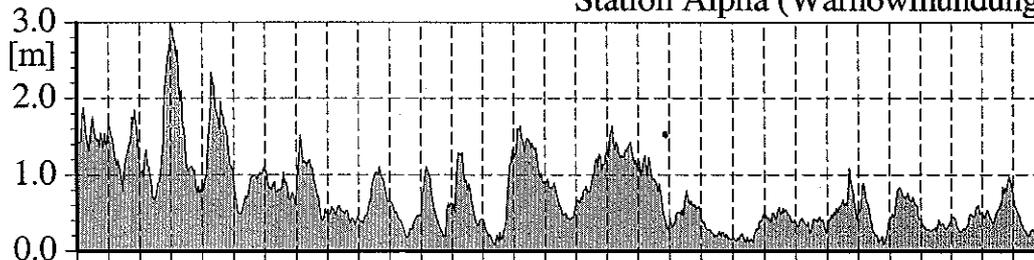


Windrichtung

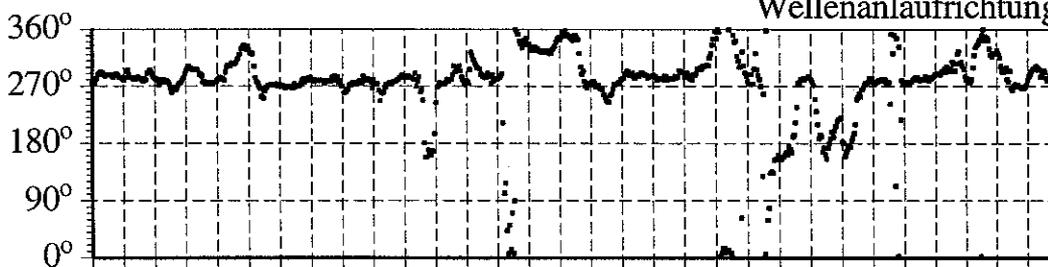


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

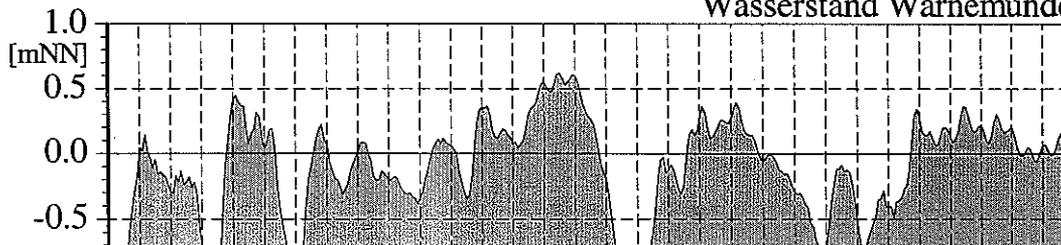


Wellenanlaufrichtung

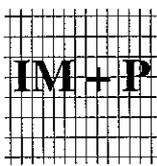


Station: Alpha (Warnowmündung)

Wasserstand Warnemünde



Dezember 1999

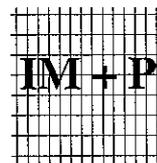
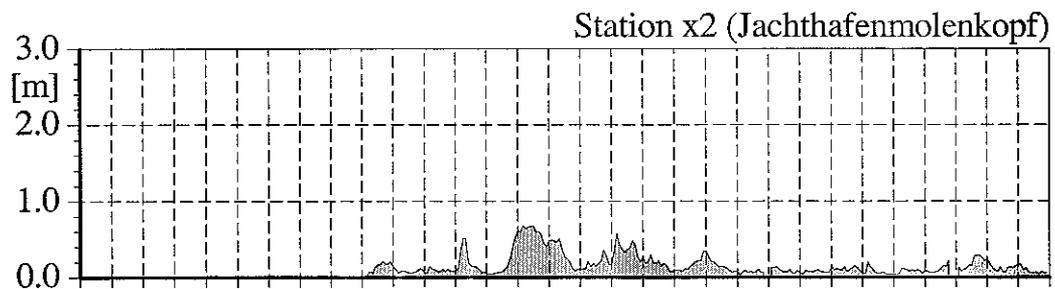
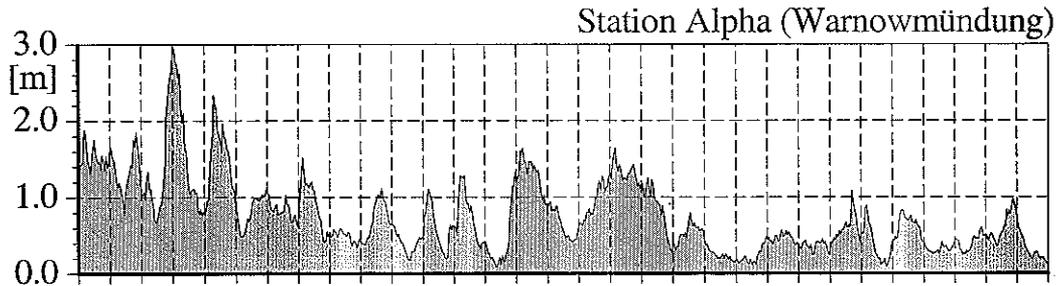


ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 31. 12. 1999

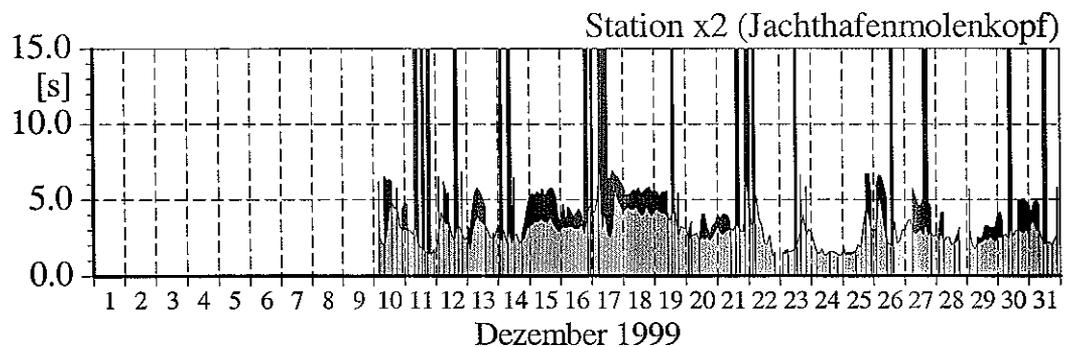
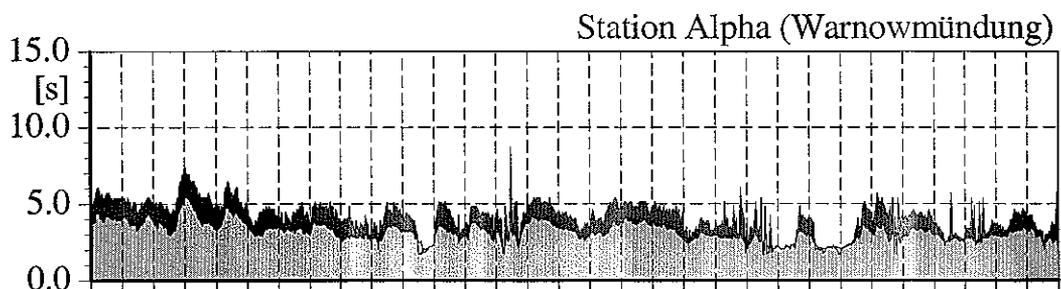


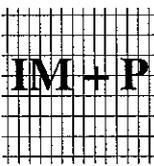
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenperiode: T_{m02} T_p

01. - 31. 12. 1999

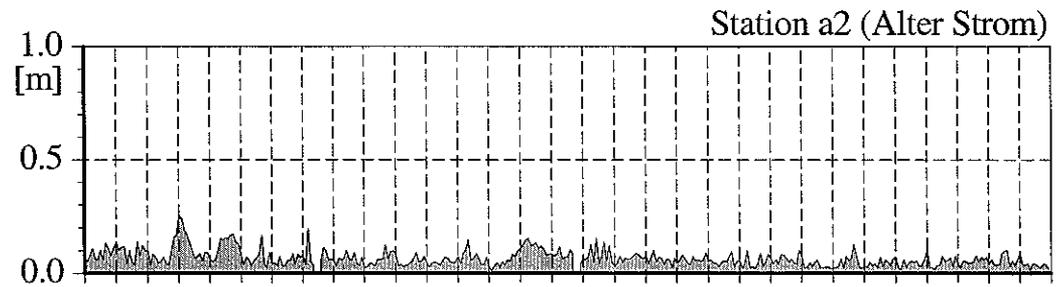
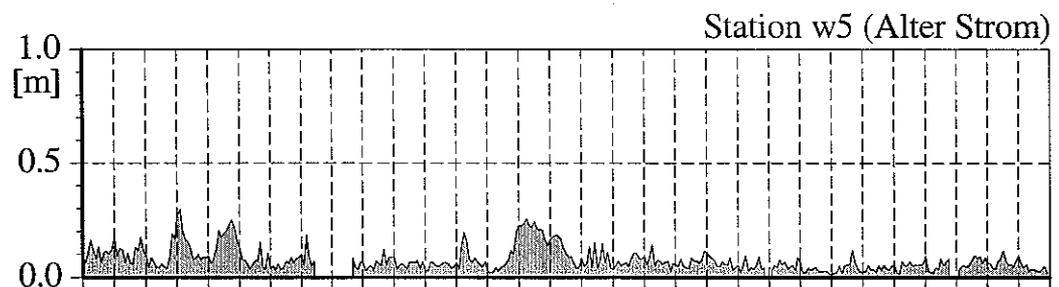
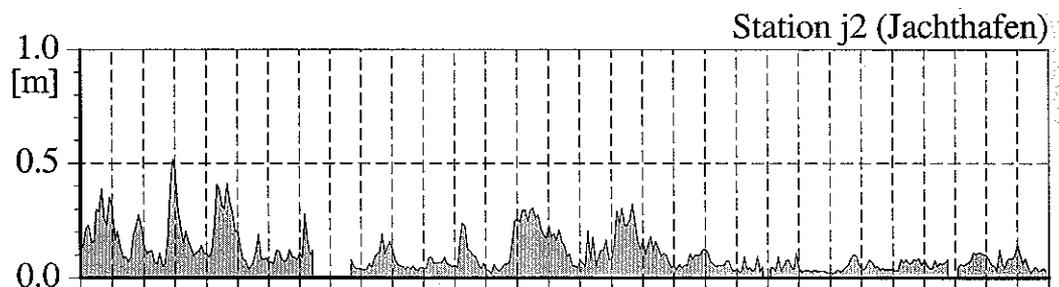
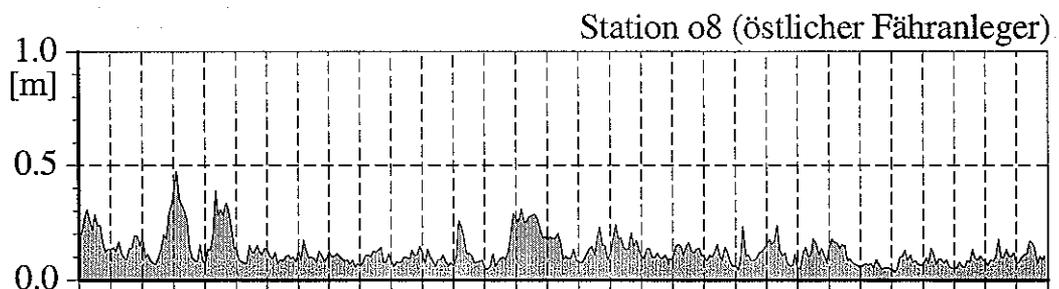
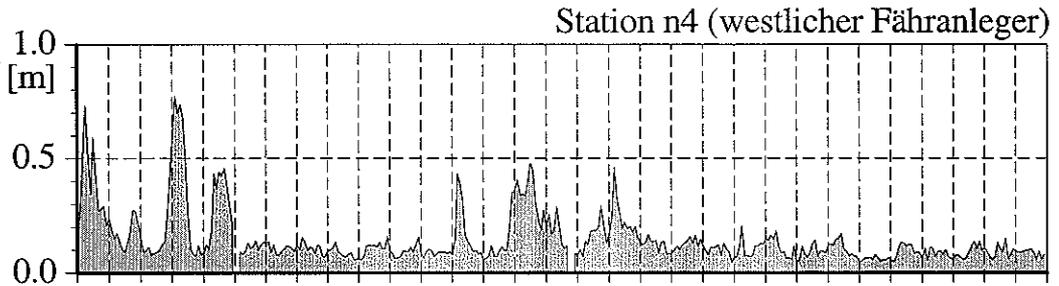




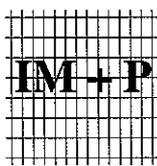
ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 31. 12. 1999



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Dezember 1999

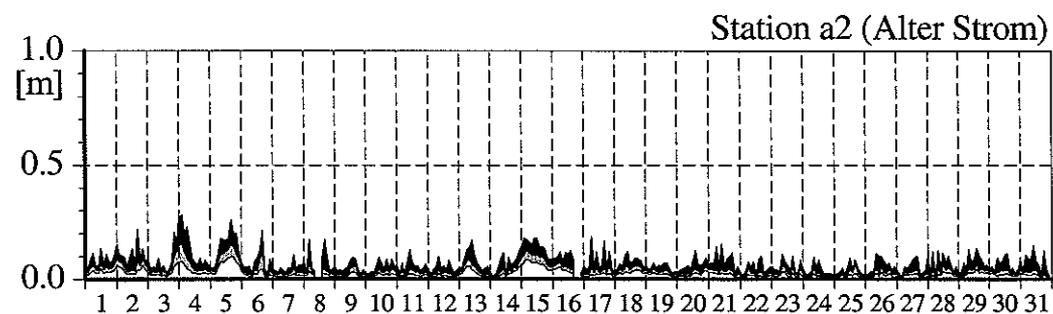
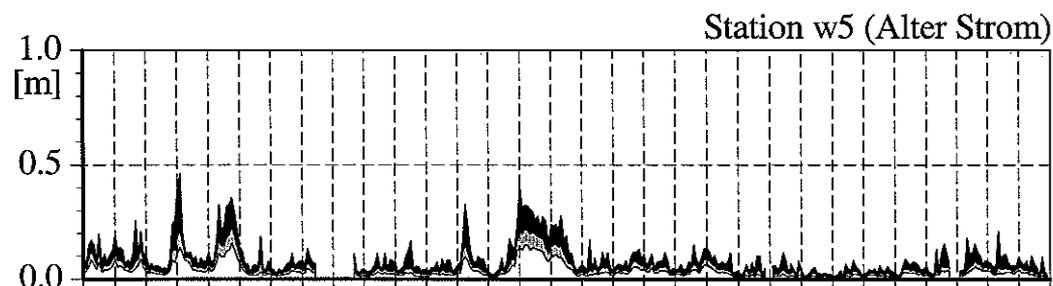
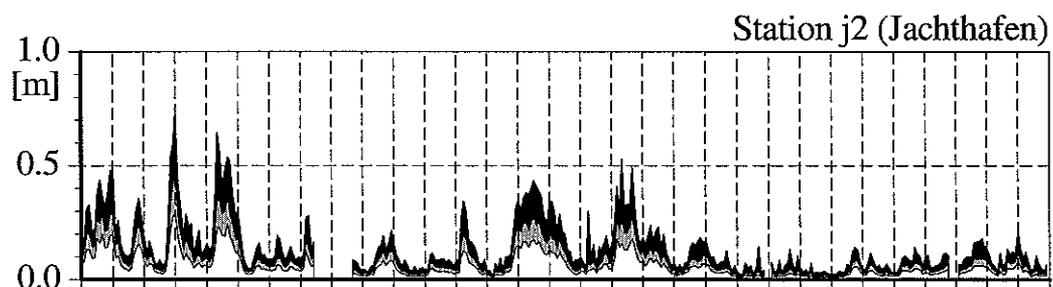
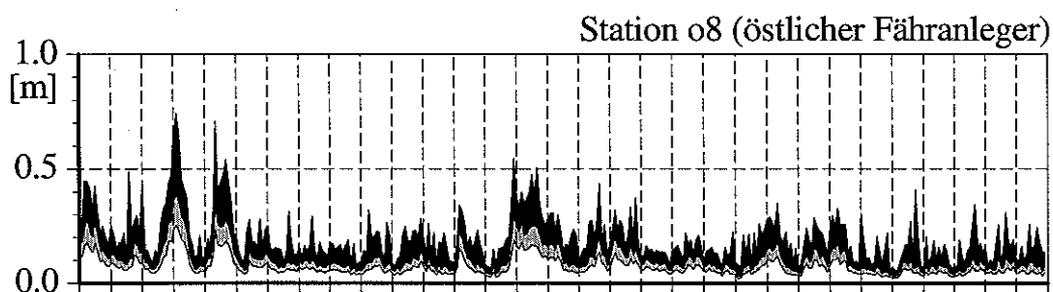
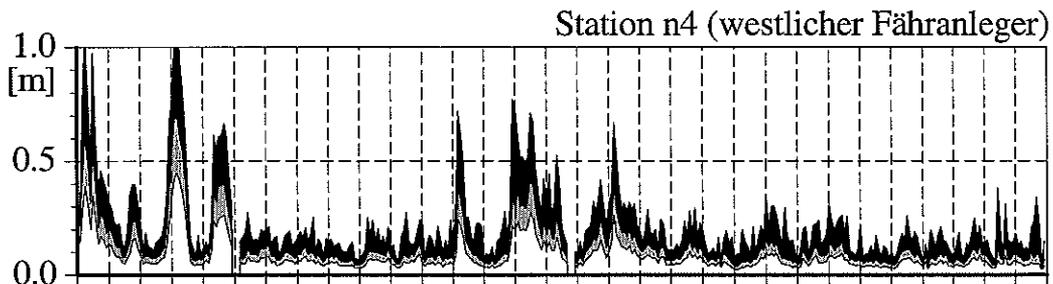


ZUFAHRT ZUM SEEHAFEN ROSTOCK

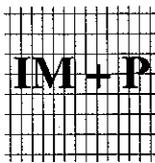
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max}

01. - 31. 12. 1999



Dezember 1999



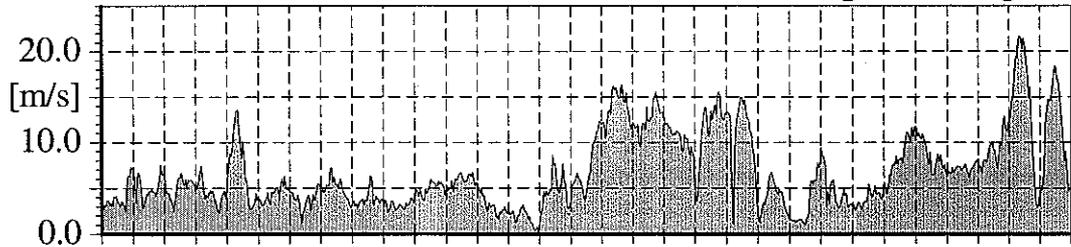
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Hydrologische Hauptwerte -

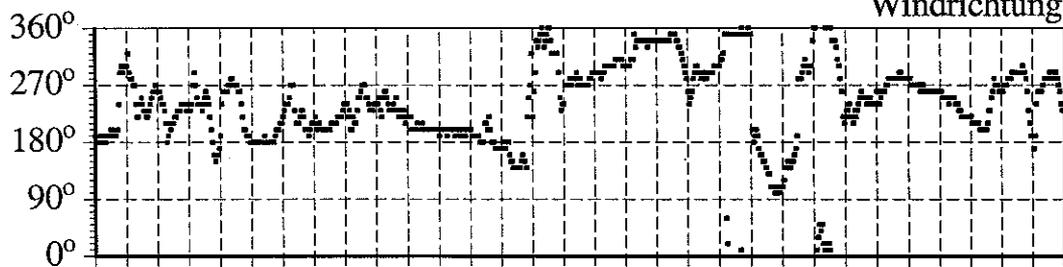
Wind - Seegang - Wasserstand

01. - 31. 01. 2000

Windgeschwindigkeit

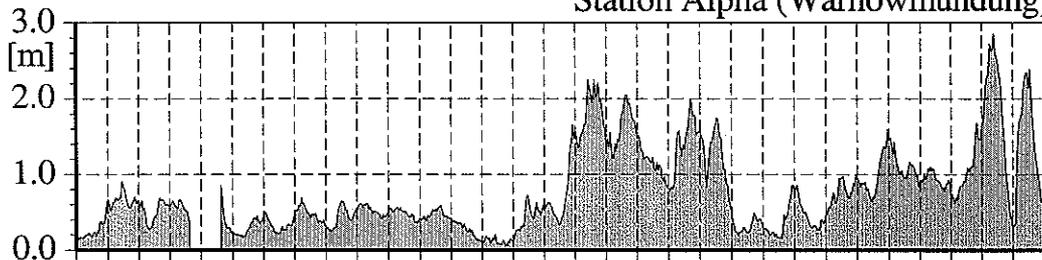


Windrichtung

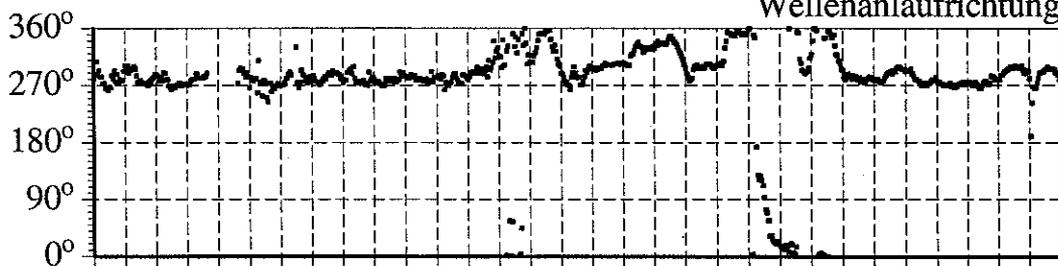


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

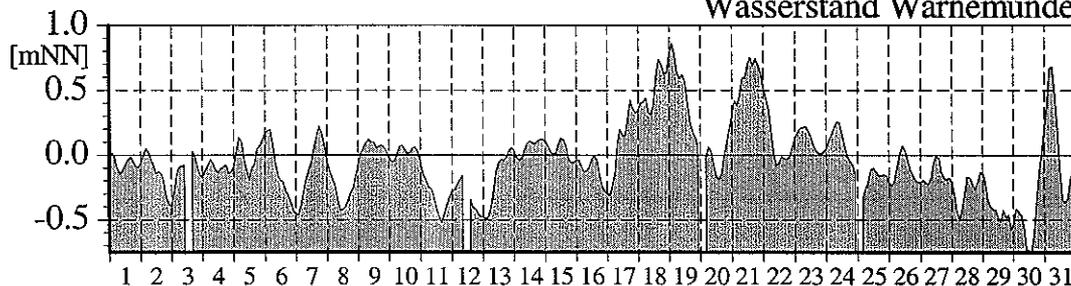


Wellenanaufrichtung

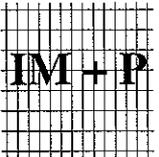


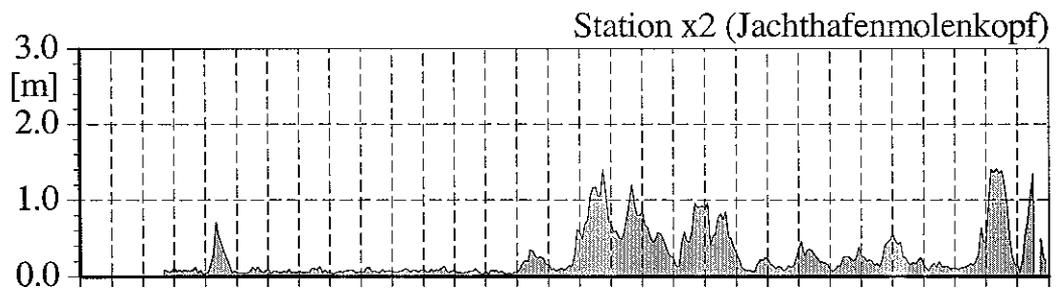
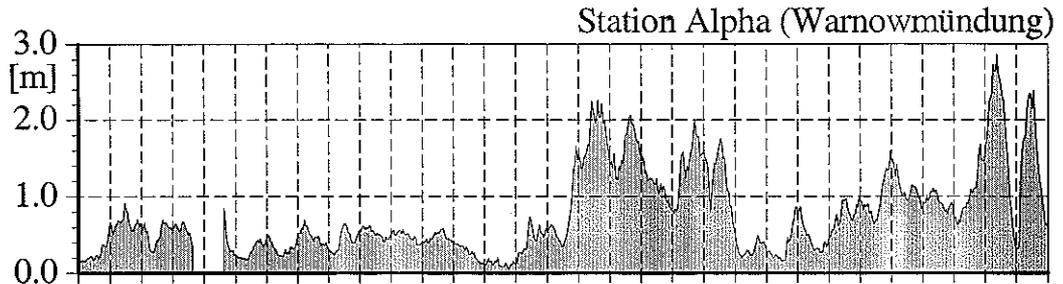
Station: Alpha (Warnowmündung)

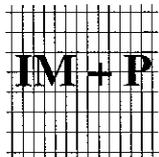
Wasserstand Warnemünde

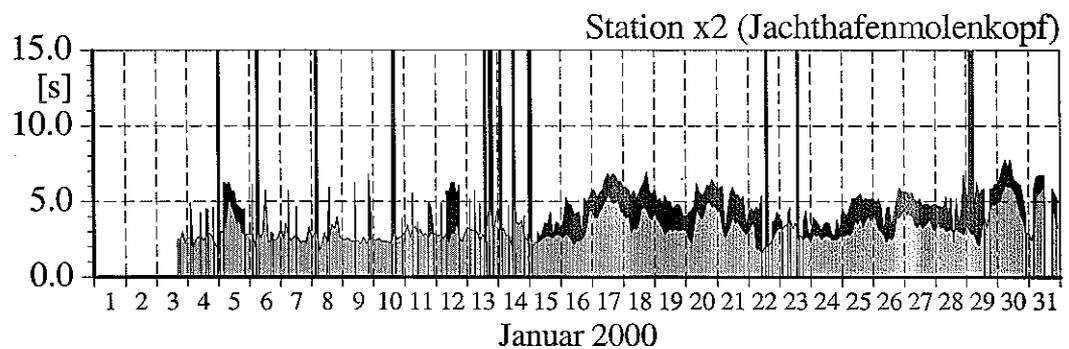
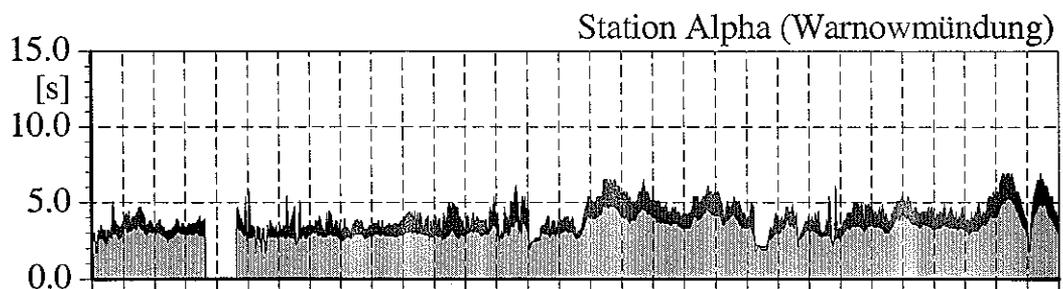


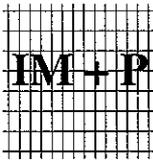
Januar 2000

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 01. 2000



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 31. 01. 2000

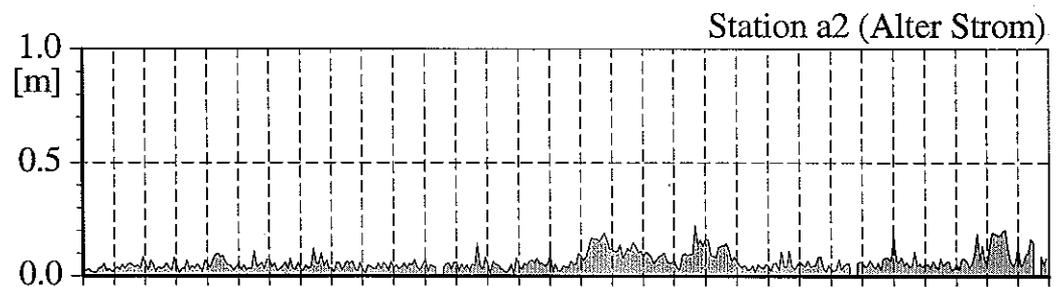
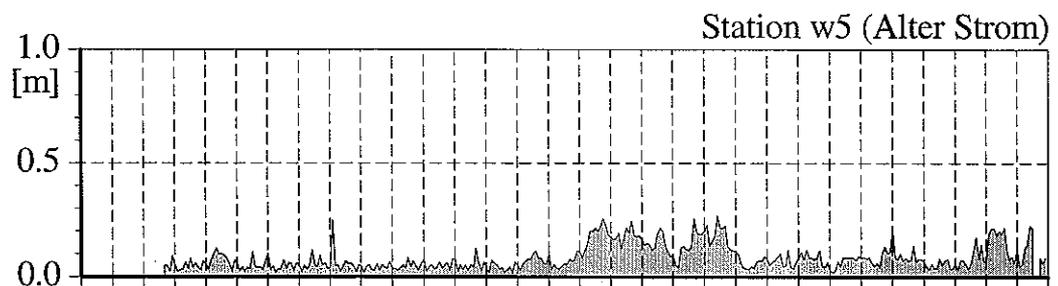
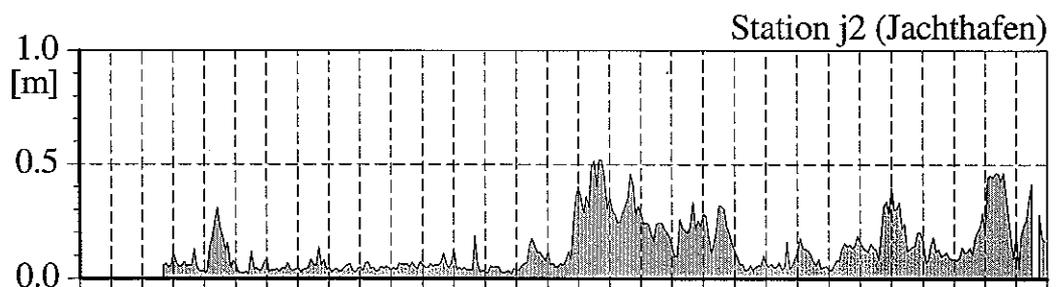
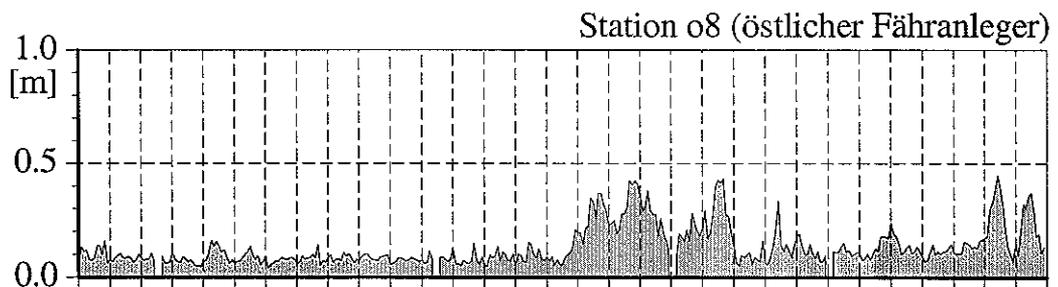
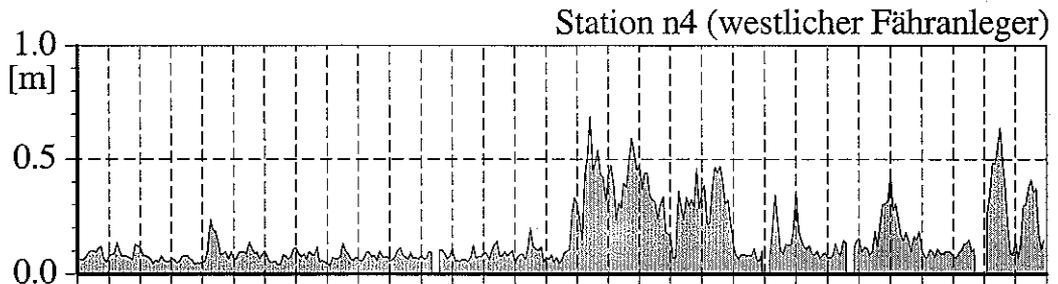




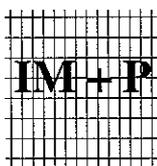
ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 31. 01. 2000



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
Januar 2000

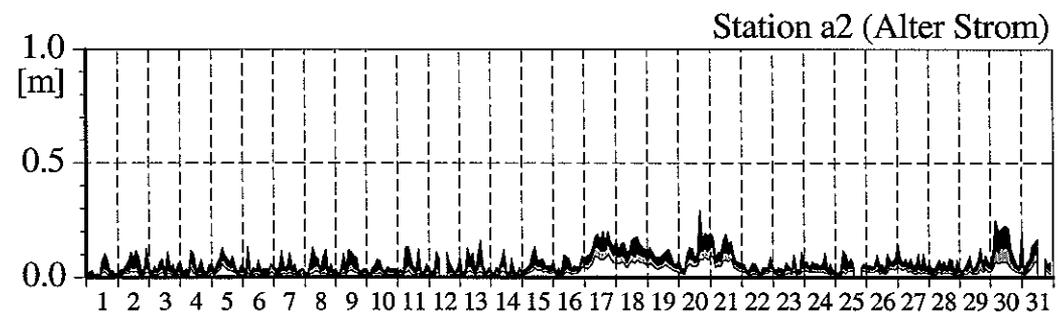
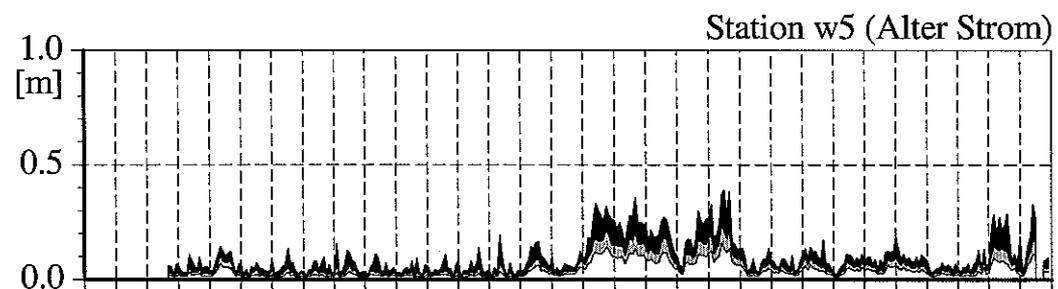
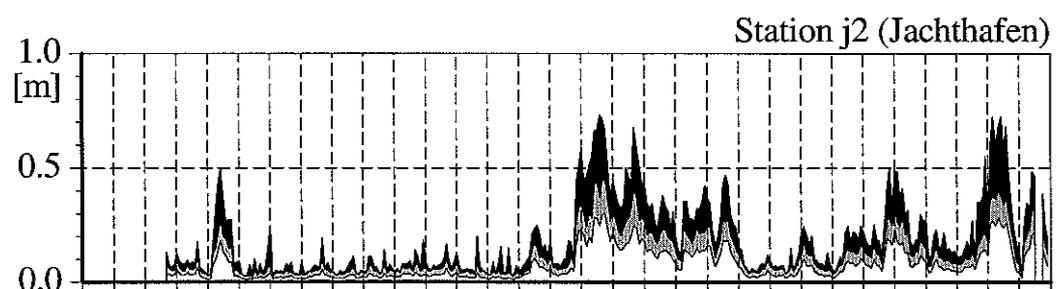
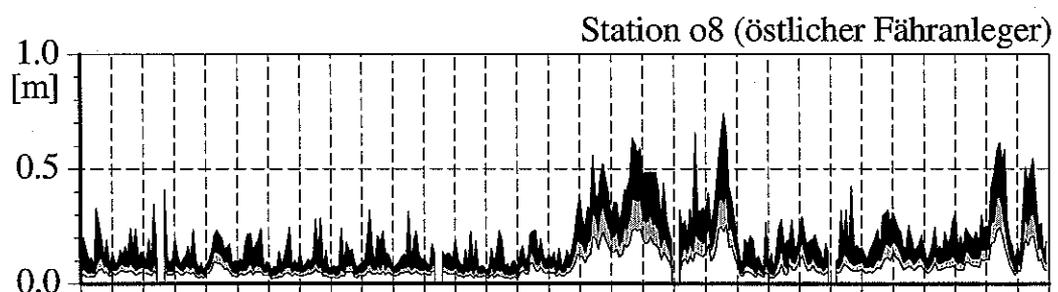
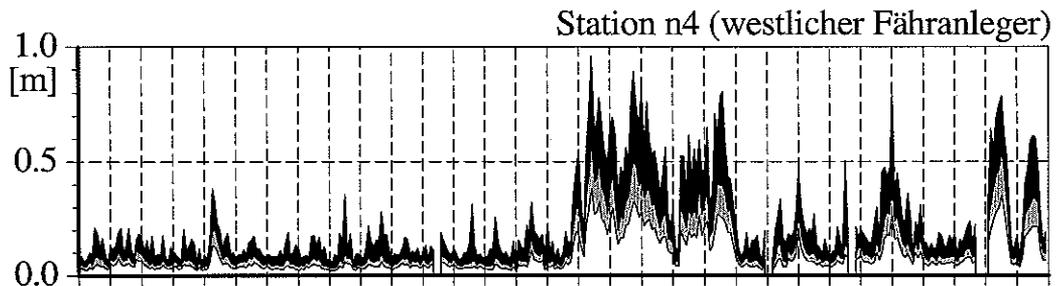


ZUFAHRT ZUM SEEHAFEN ROSTOCK

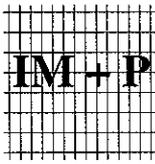
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max}

01. - 31. 01. 2000



Januar 2000



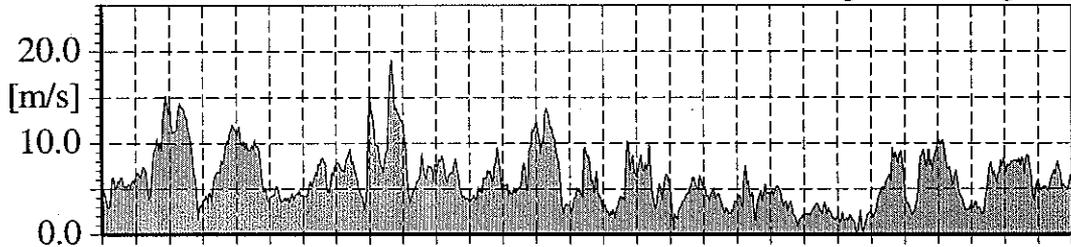
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Hydrologische Hauptwerte -

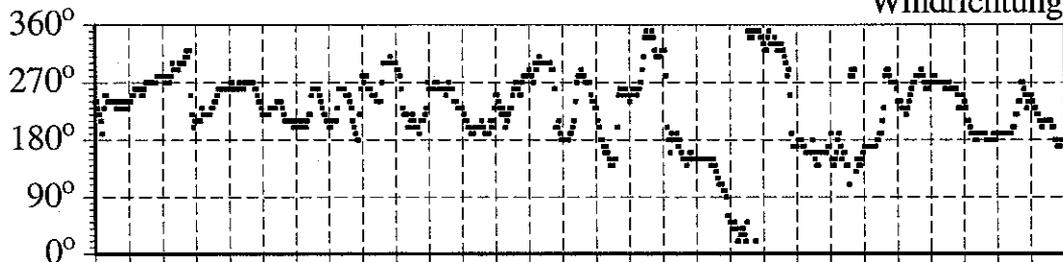
Wind - Seegang - Wasserstand

01. - 29. 02. 2000

Windgeschwindigkeit

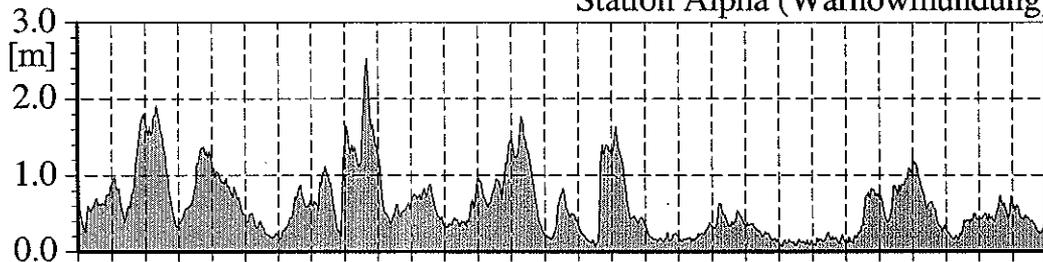


Windrichtung

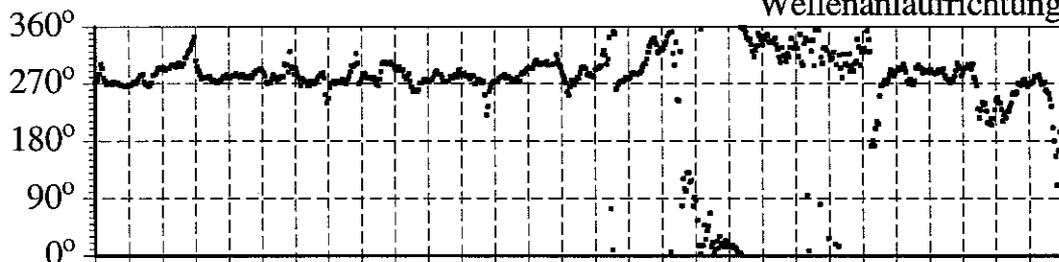


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

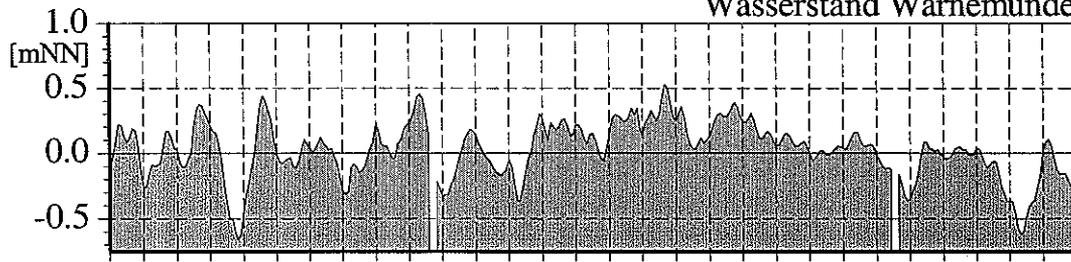


Wellenanaufrichtung

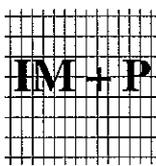


Station: Alpha (Warnowmündung)

Wasserstand Warnemünde



Februar 2000

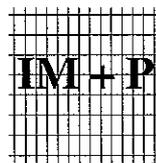
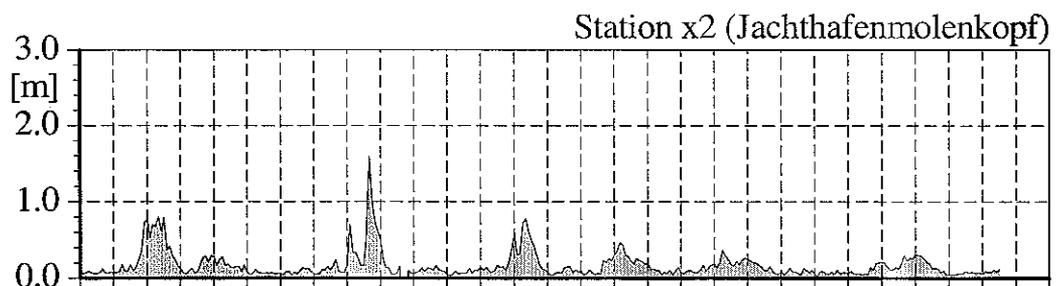
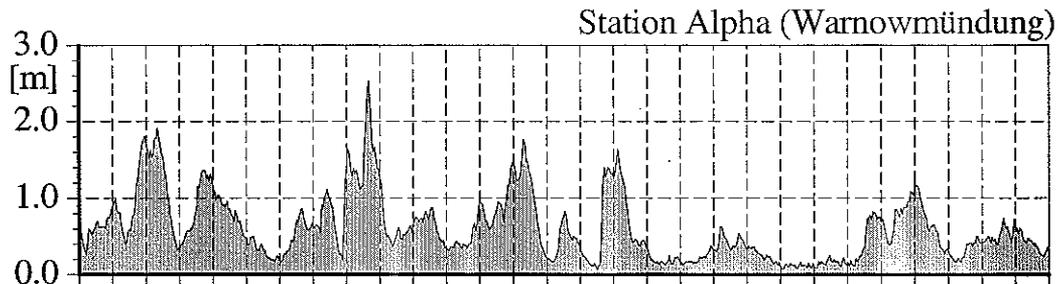


ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 29. 02. 2000

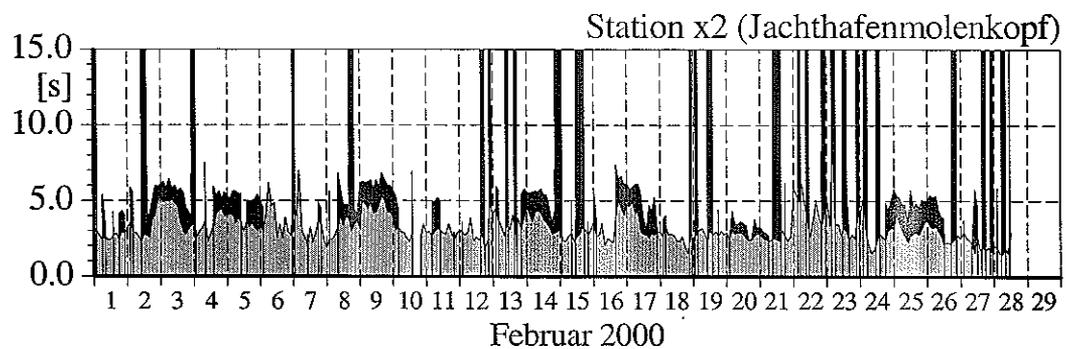
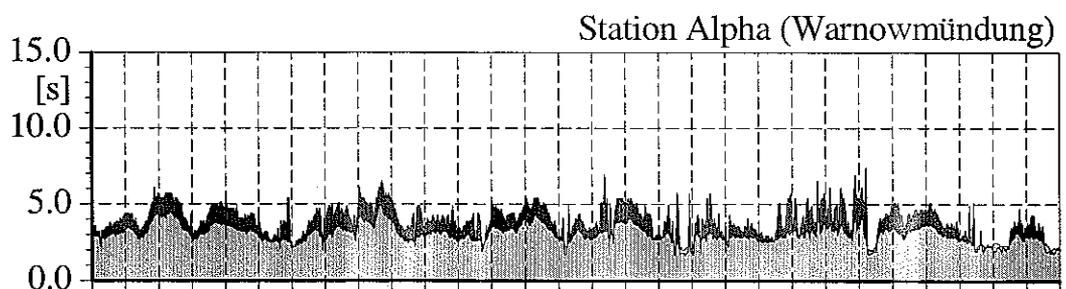


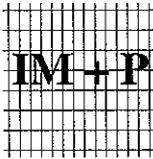
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenperiode: T_{m02} T_p

01. - 29. 02. 2000



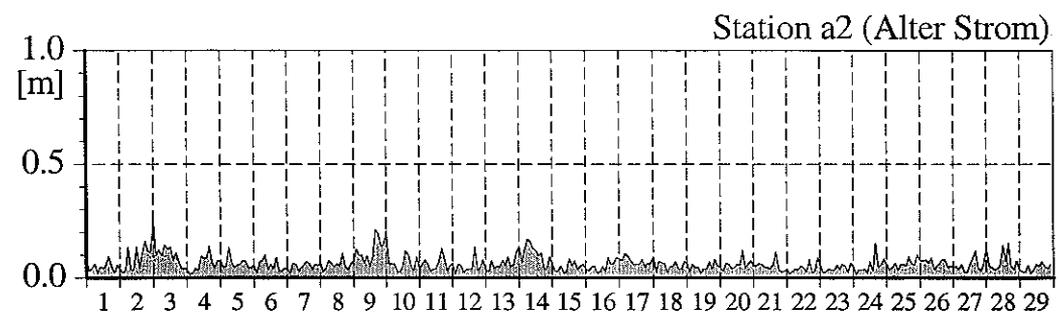
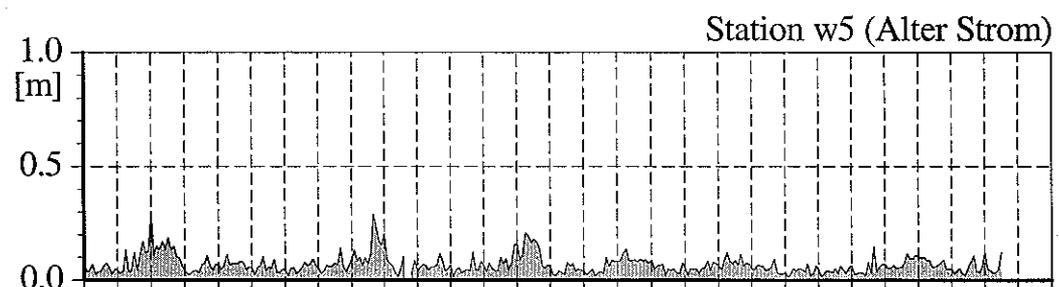
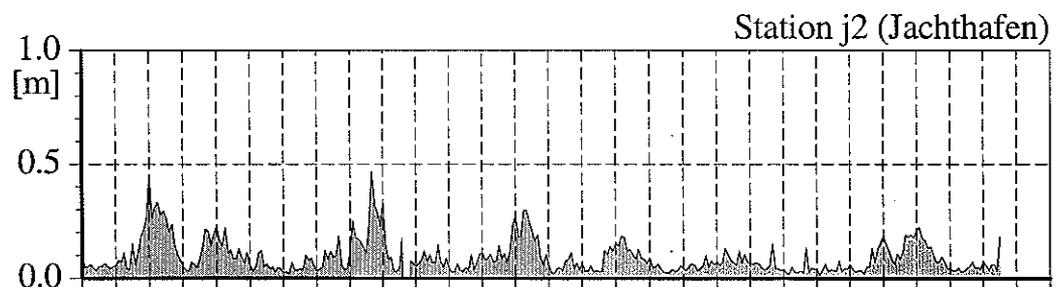
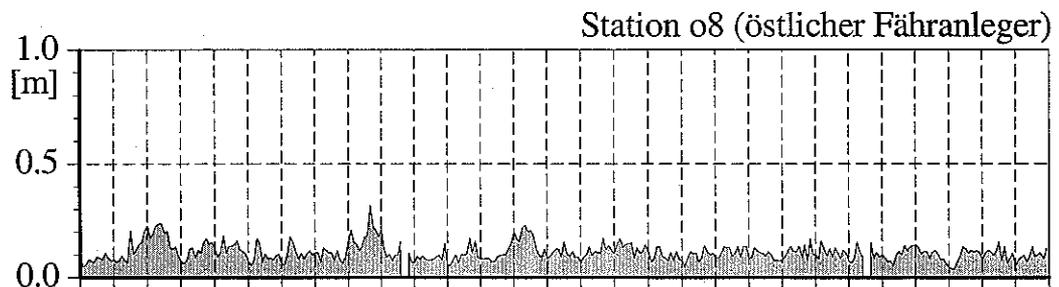
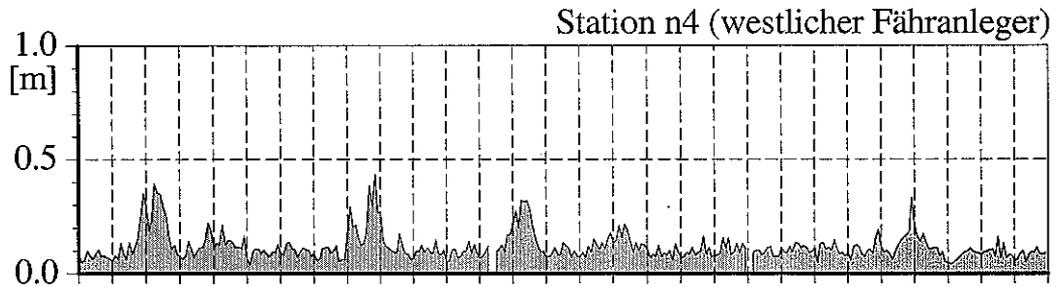


ZUFAHRT ZUM SEEHAFEN ROSTOCK

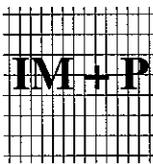
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 29. 02. 2000



Februar 2000

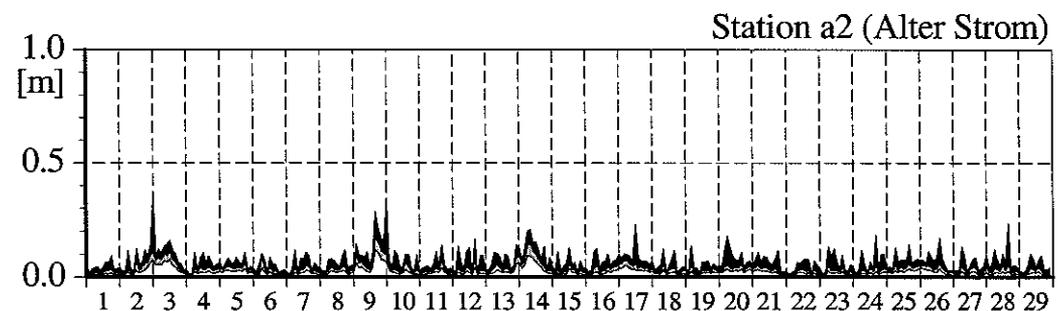
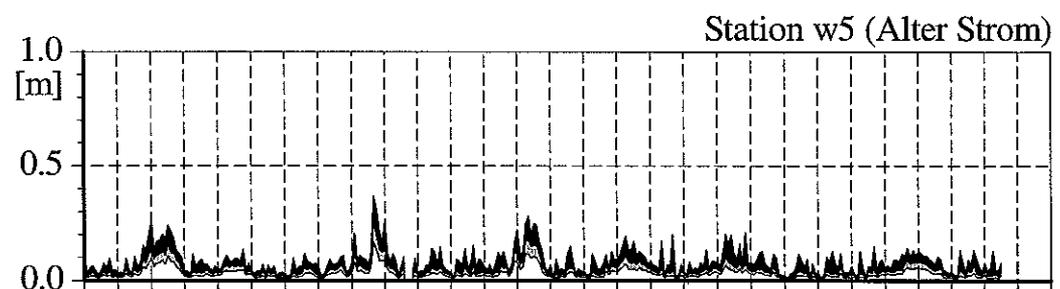
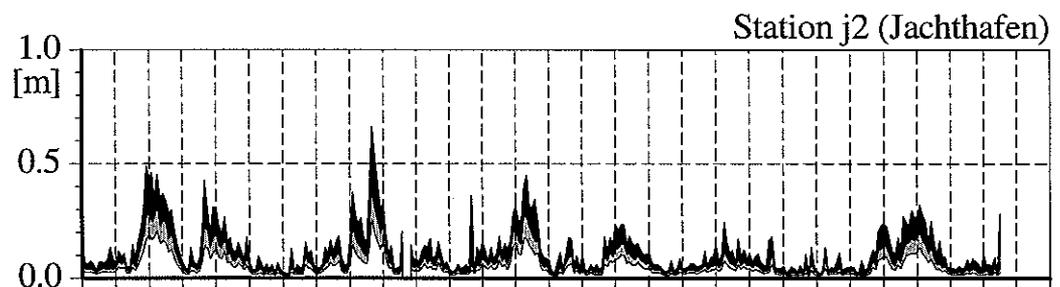
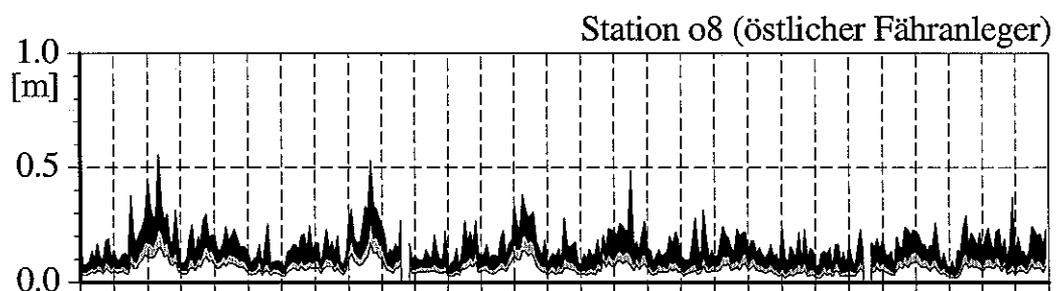
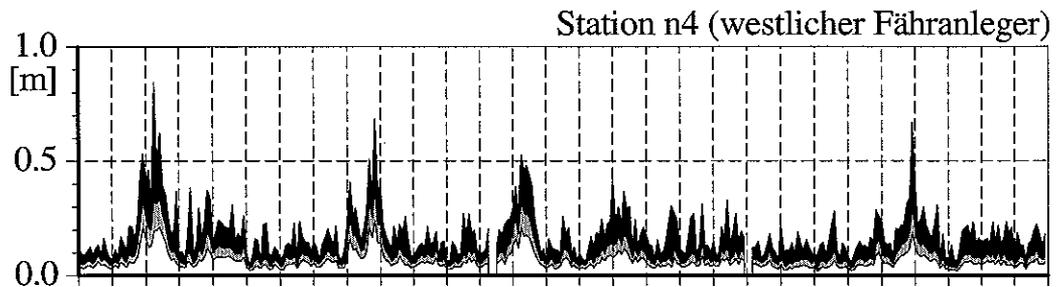


ZUFAHRT ZUM SEEHAFEN ROSTOCK

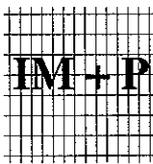
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max}

01. - 29. 02. 2000



Februar 2000



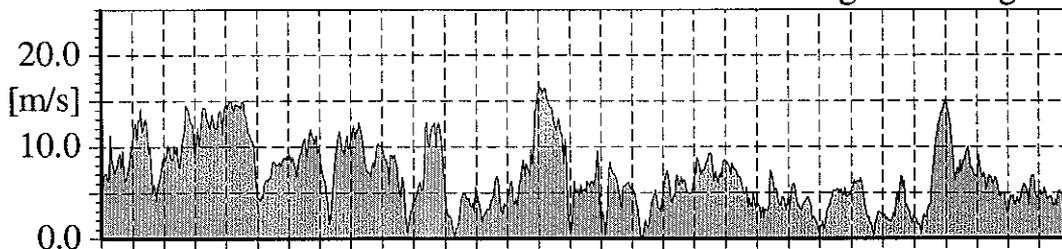
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Hydrologische Hauptwerte -

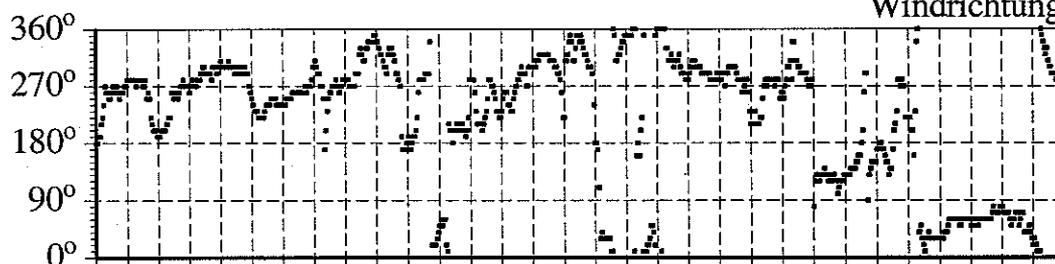
Wind - Seegang - Wasserstand

01. - 31. 03. 2000

Windgeschwindigkeit

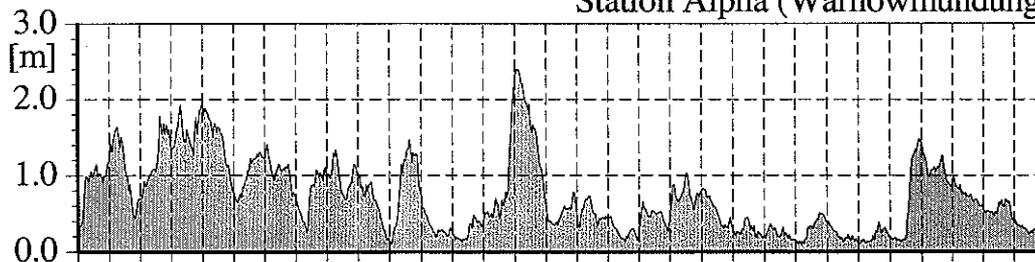


Windrichtung

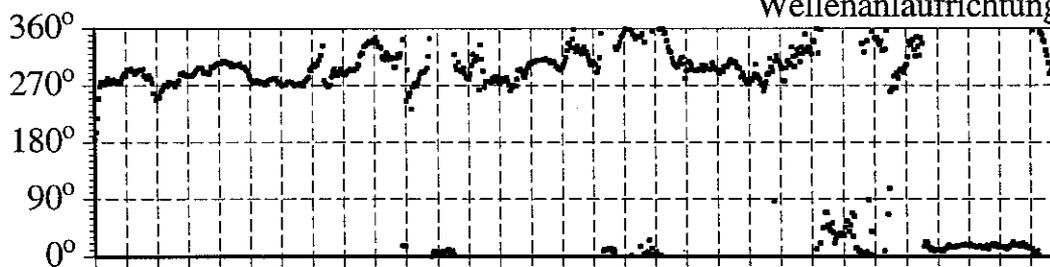


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

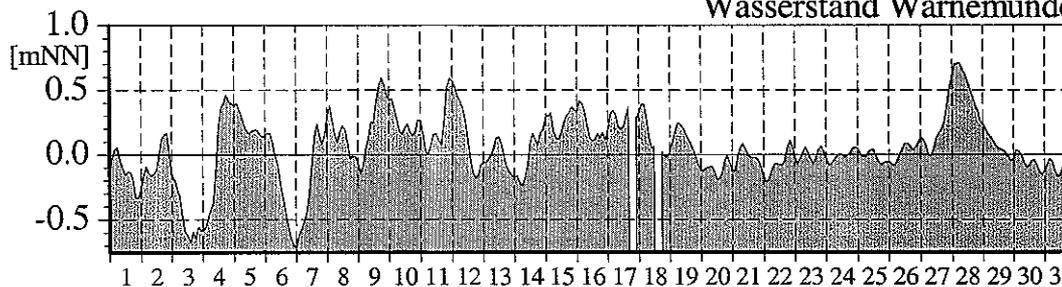


Wellenanlaufrichtung

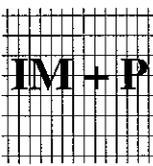


Station: Alpha (Warnowmündung)

Wasserstand Warnemünde



März 2000

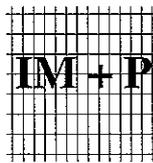
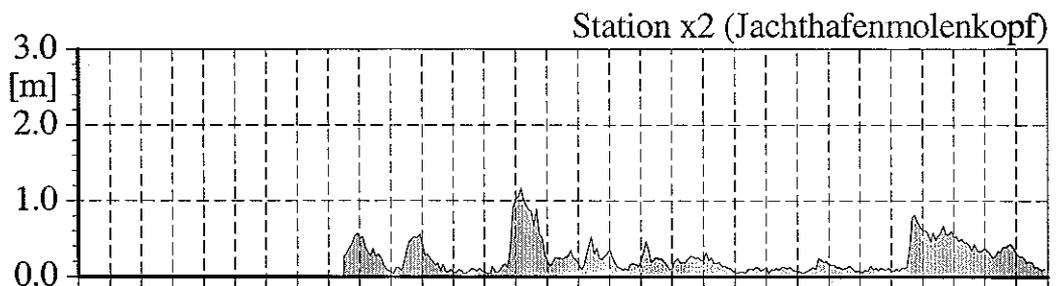
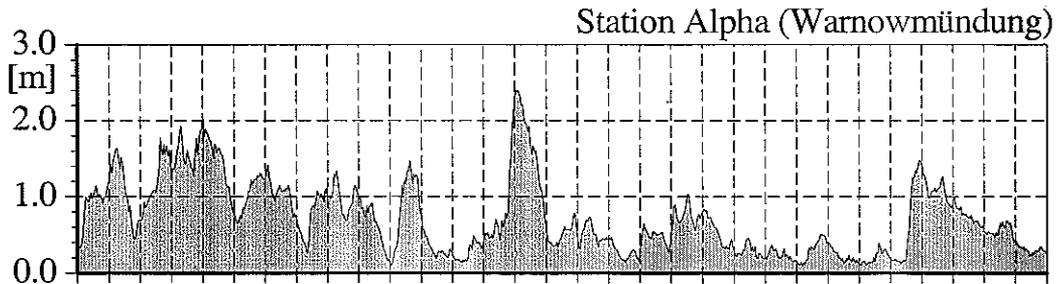


ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 31. 03. 2000

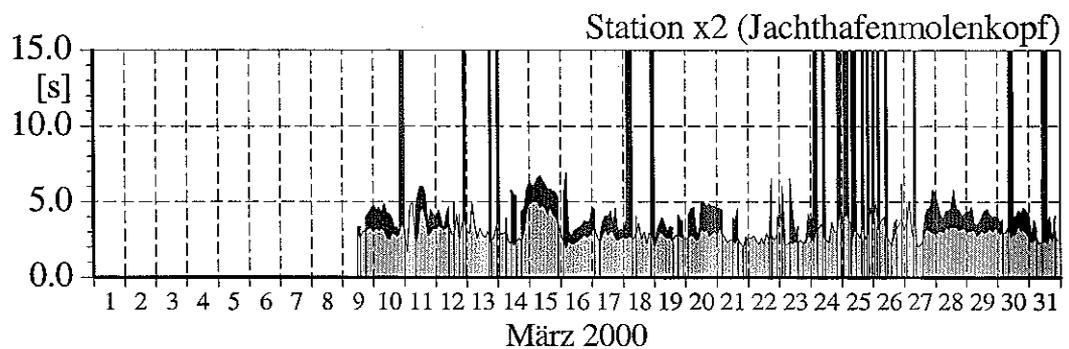
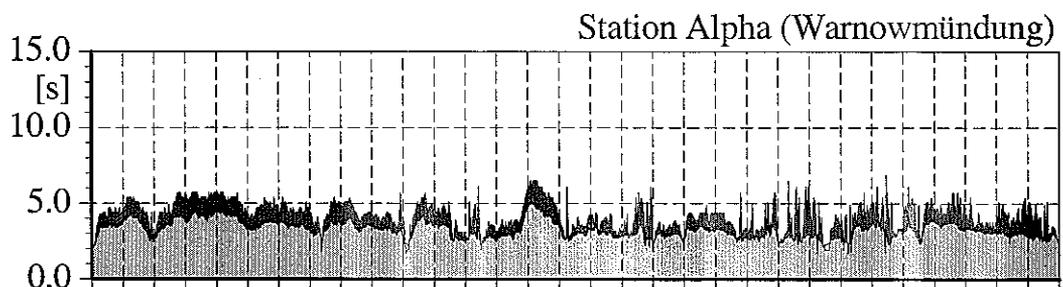


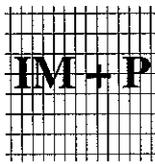
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenperiode: T_{m02} T_p

01. - 31. 03. 2000



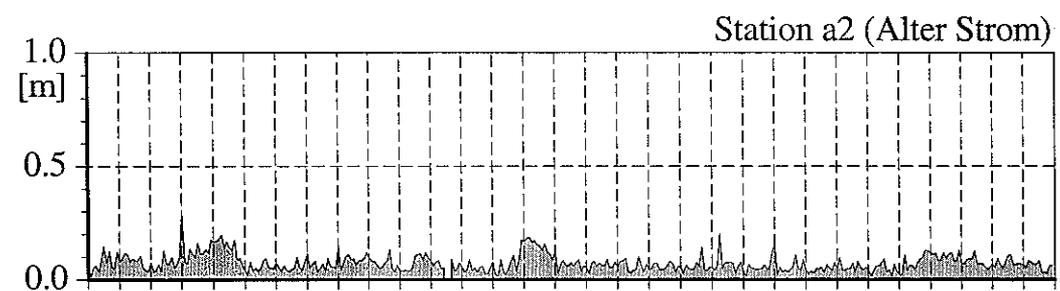
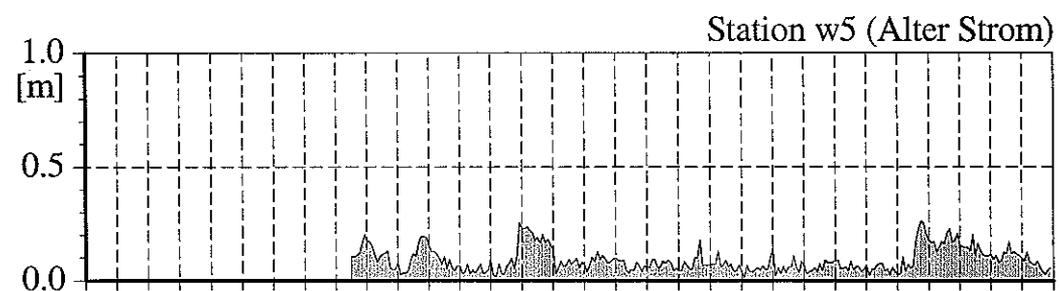
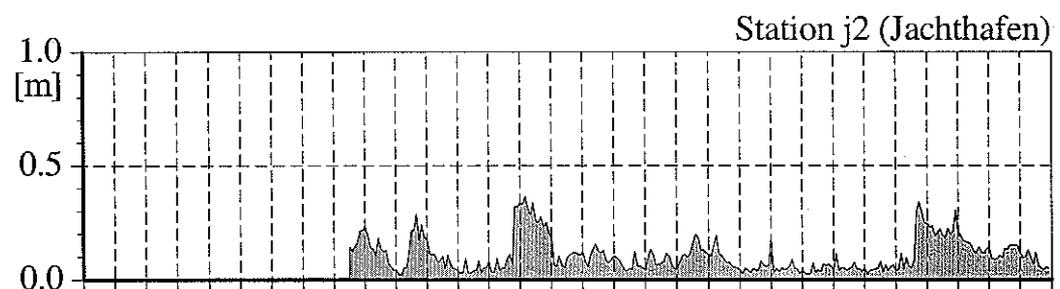
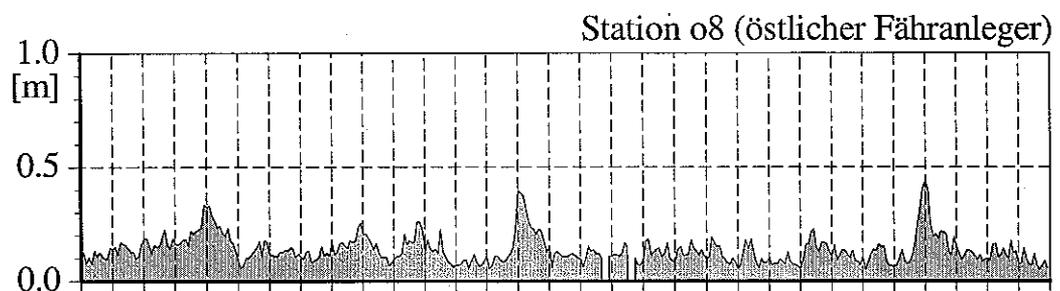
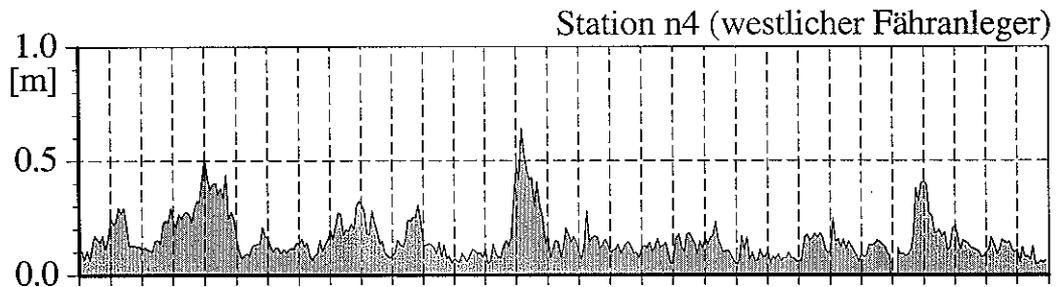


ZUFAHRT ZUM SEEHAFEN ROSTOCK

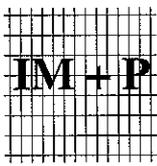
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 31. 03. 2000



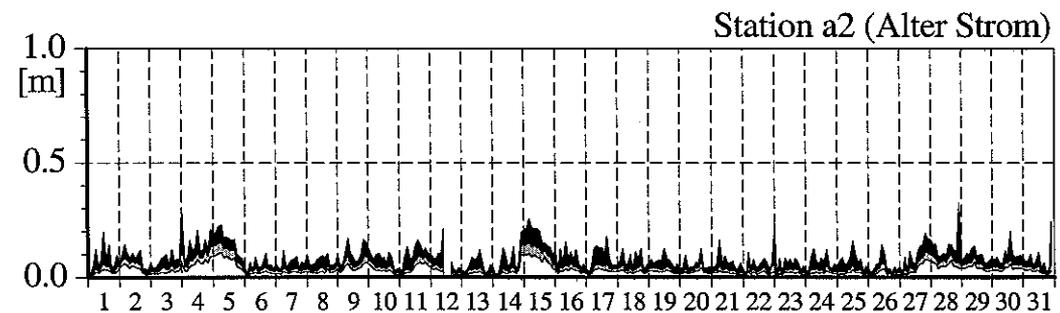
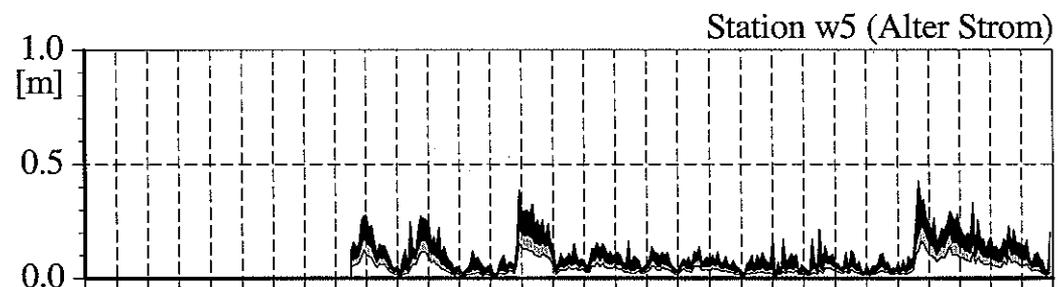
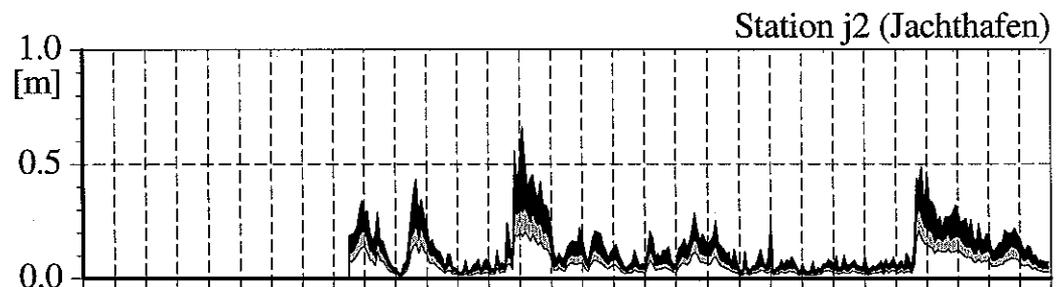
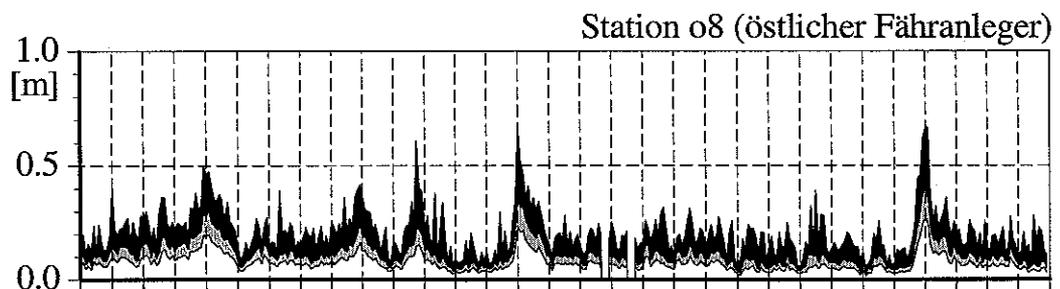
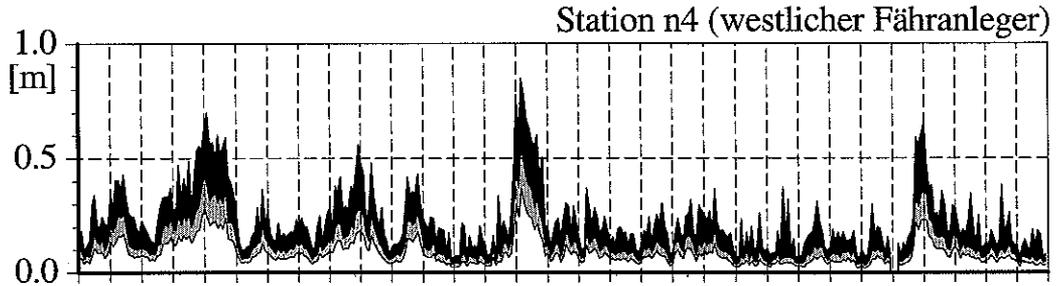
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
März 2000



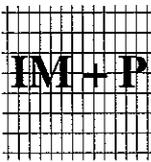
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max} 01. - 31. 03. 2000



März 2000

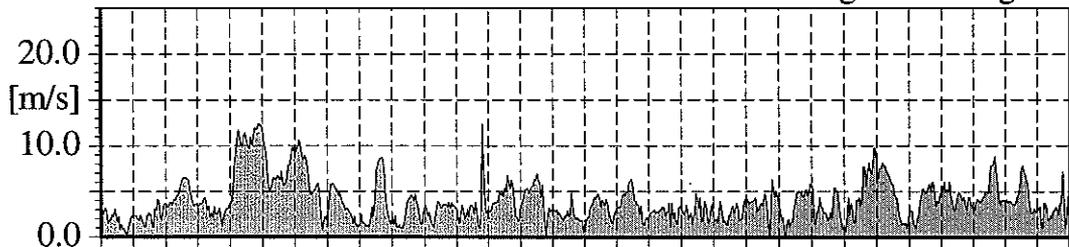


ZUFAHRT ZUM SEEHAFEN ROSTOCK

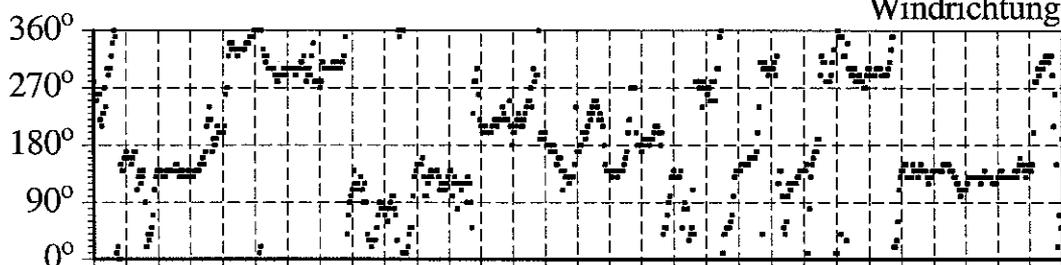
- Beweissicherung: Hydrologische Hauptwerte -

Wind - Seegang - Wasserstand | 01. - 30. 04. 2000

Windgeschwindigkeit

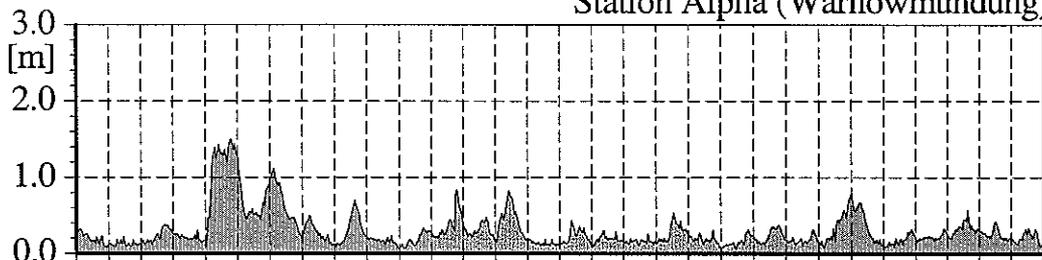


Windrichtung

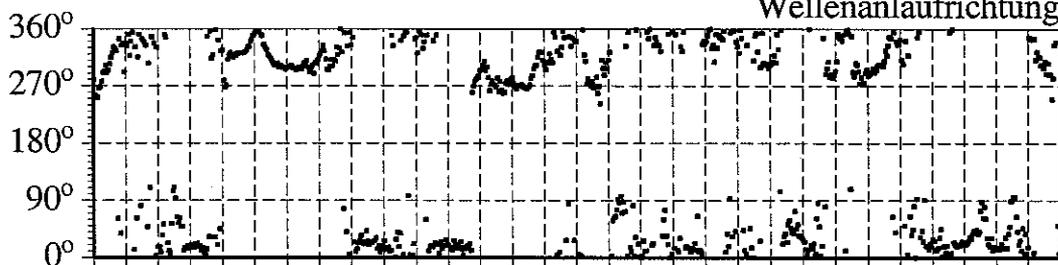


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

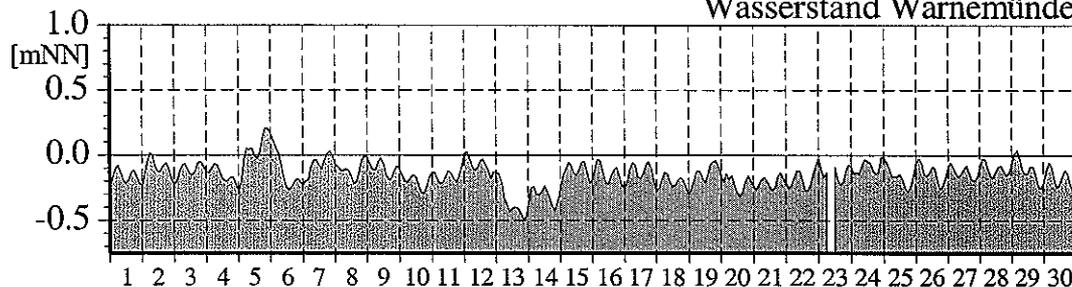


Wellenanlaufrichtung

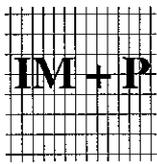


Station: Alpha (Warnowmündung)

Wasserstand Warnemünde



April 2000

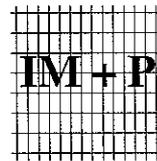
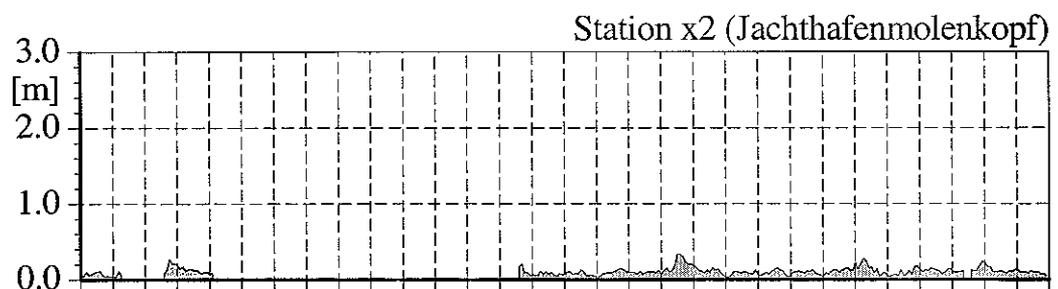
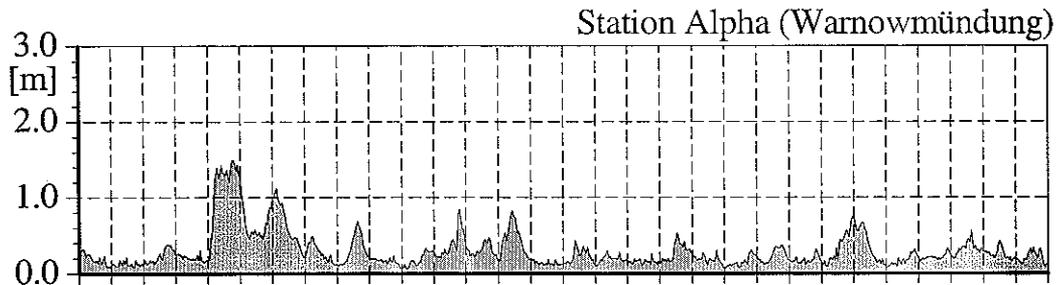


ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 30. 04. 2000

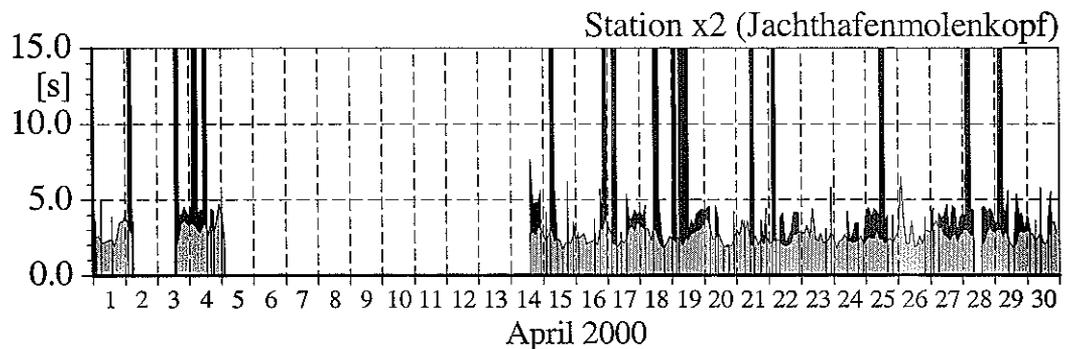
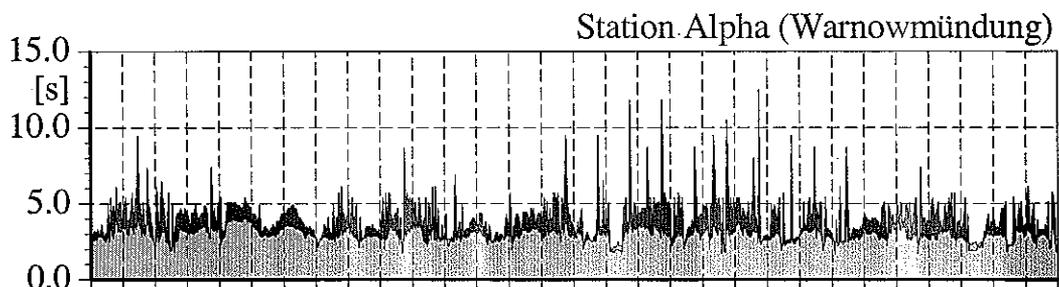


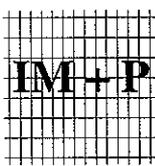
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

Wellenperiode: T_{m02} T_p

01. - 30. 04. 2000



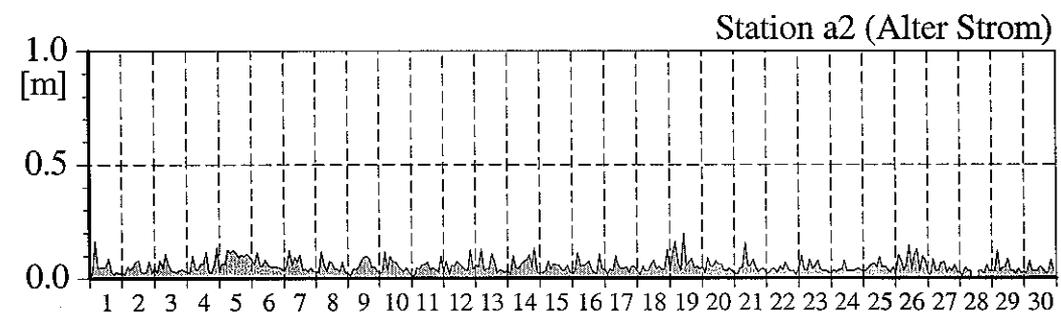
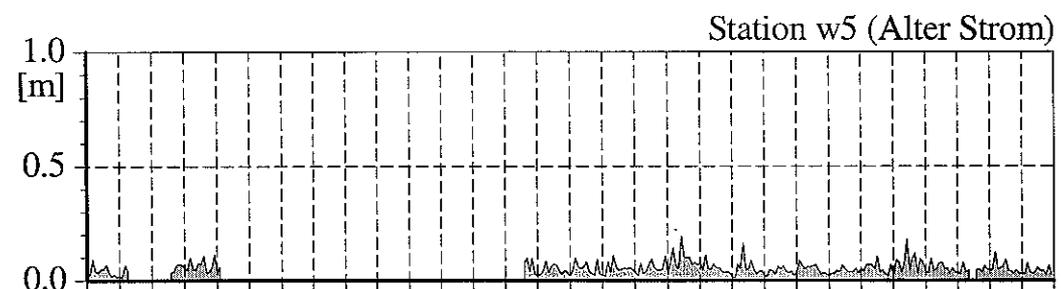
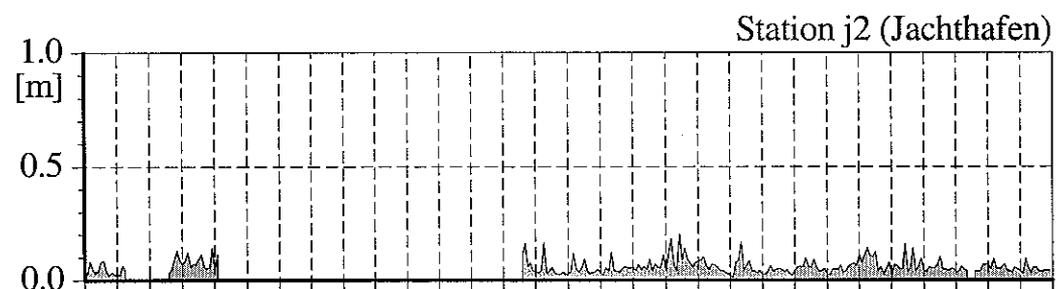
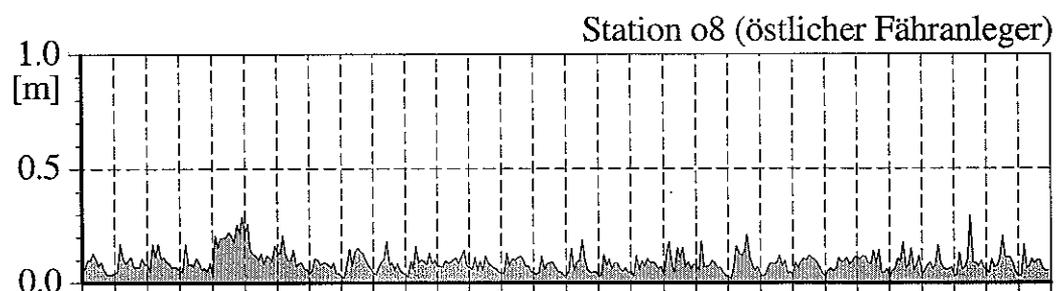
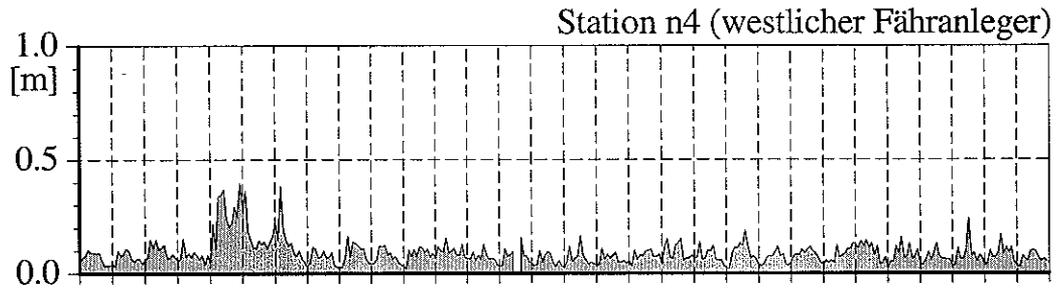


ZUFAHRT ZUM SEEHAFEN ROSTOCK

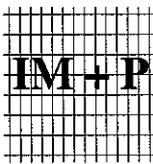
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 30. 04. 2000



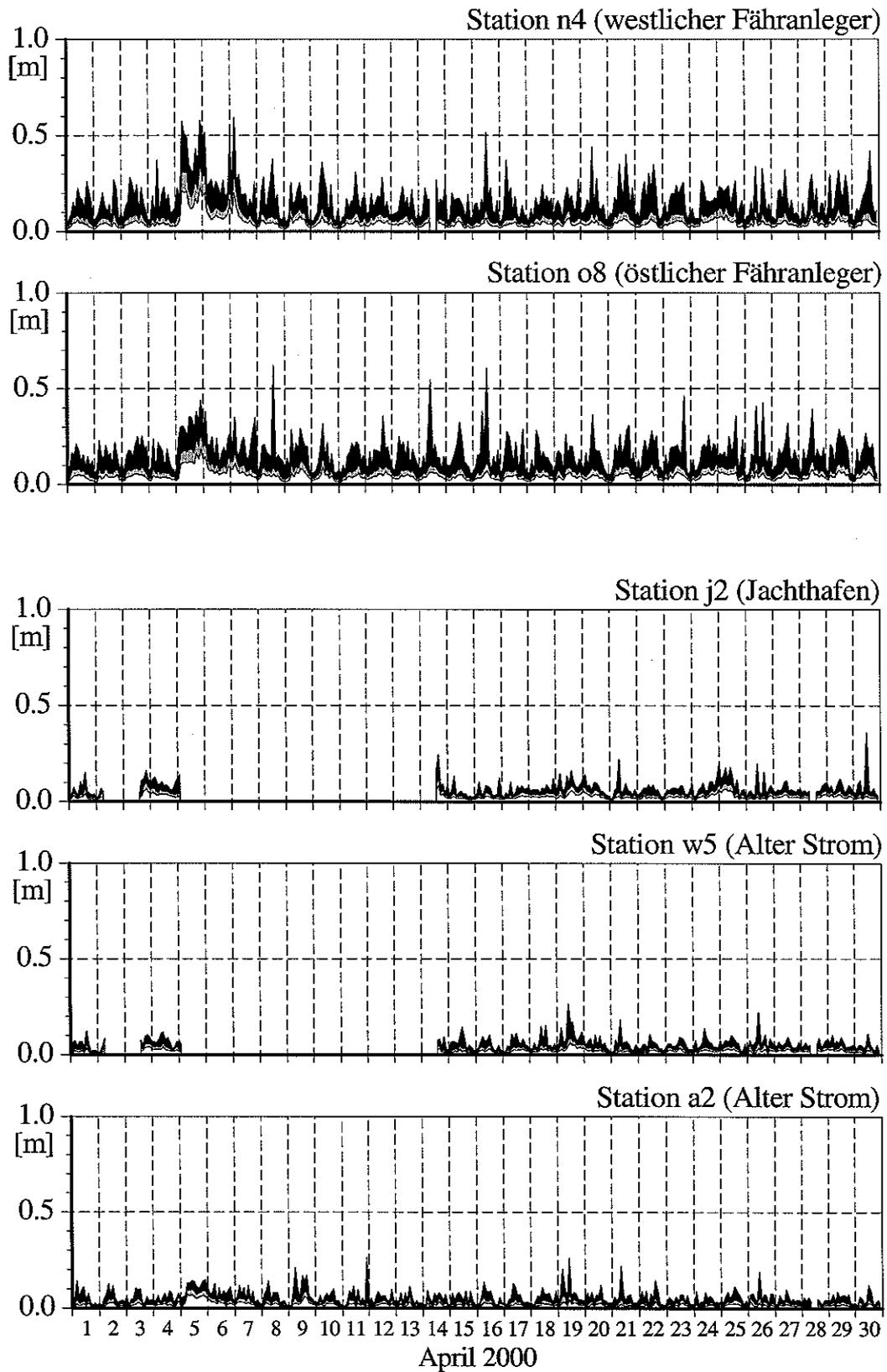
April 2000



ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

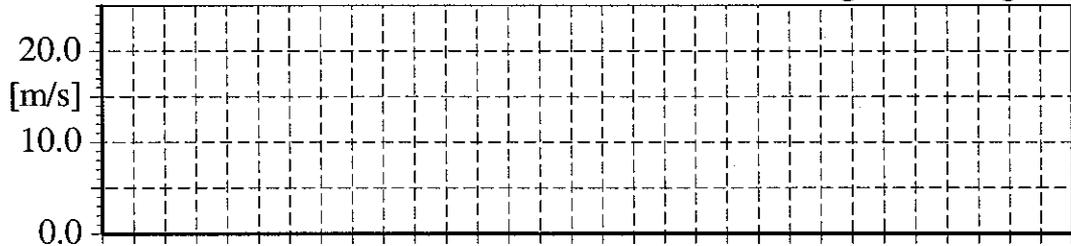
Wellenhöhe: H_m $H_{1/3}$ H_{max} 01. - 30. 04. 2000



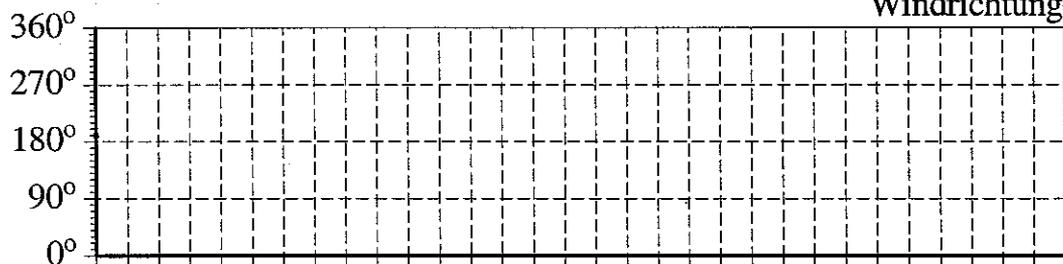


ZUFAHRT ZUM SEEHAFEN ROSTOCK
- Beweissicherung: Hydrologische Hauptwerte -
Wind - Seegang - Wasserstand | 01. - 31. 05. 2000

Windgeschwindigkeit

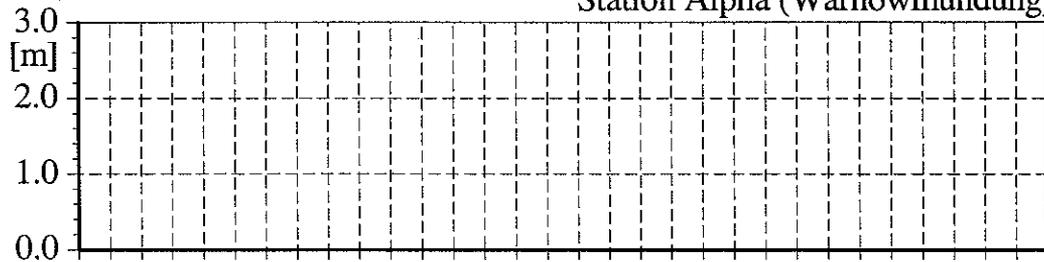


Windrichtung

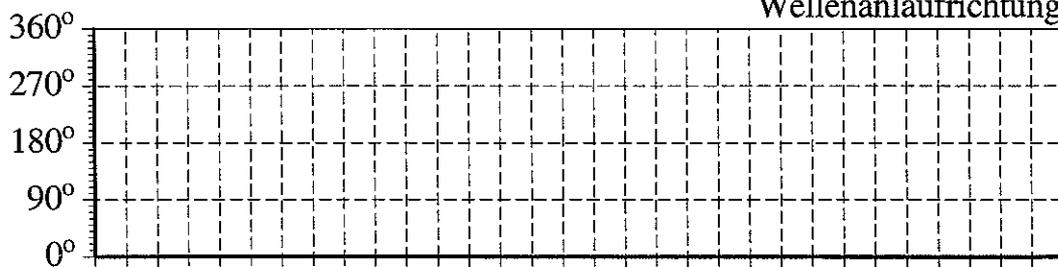


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

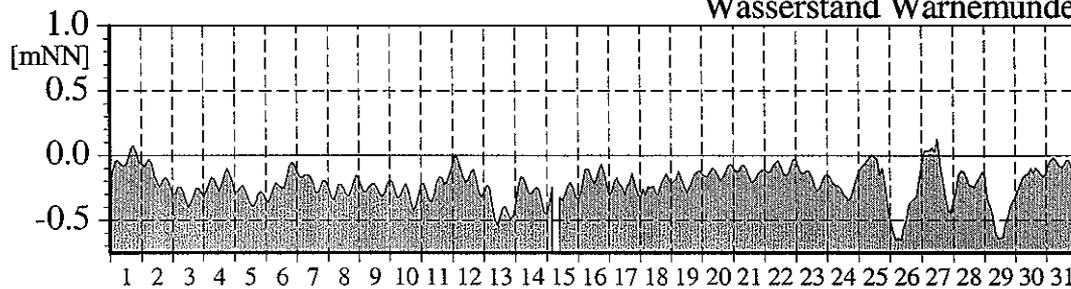


Wellenanlaufrichtung

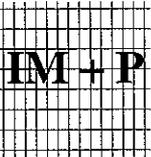


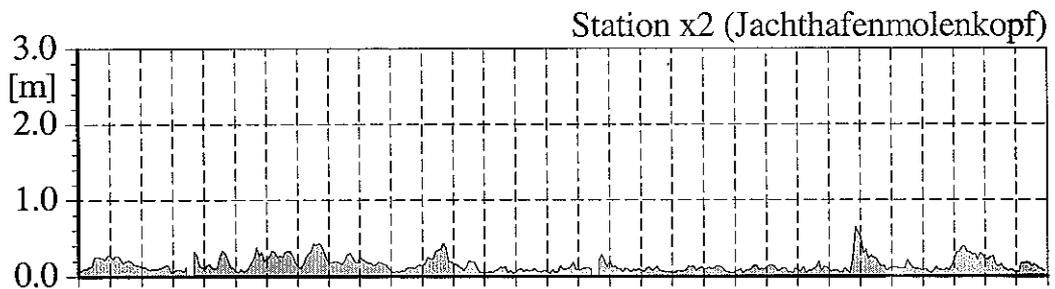
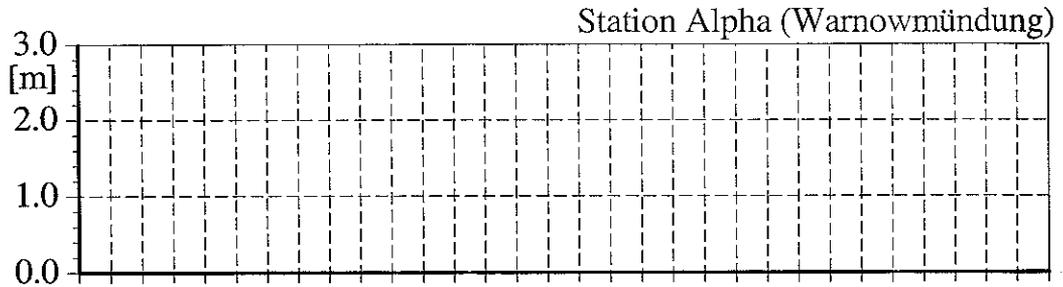
Station: Alpha (Warnowmündung)

Wasserstand Warnemünde

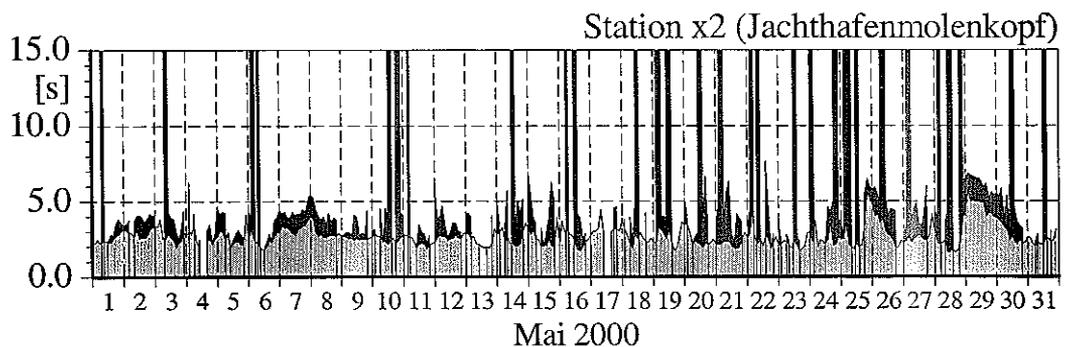
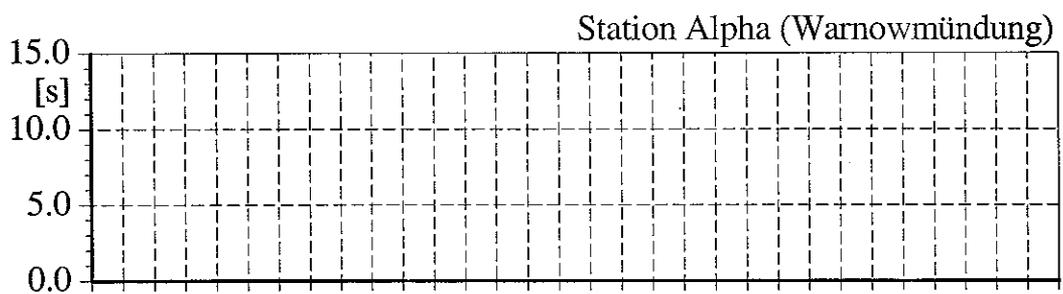


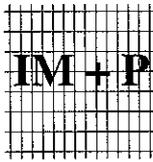
Mai 2000

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 31. 05. 2000



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 31. 05. 2000

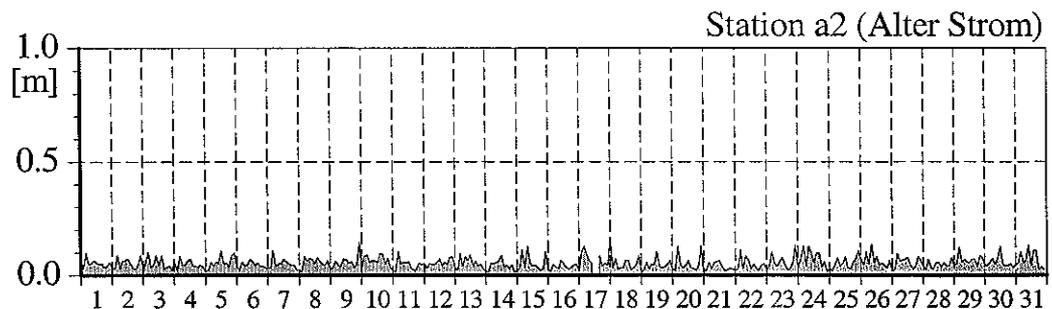
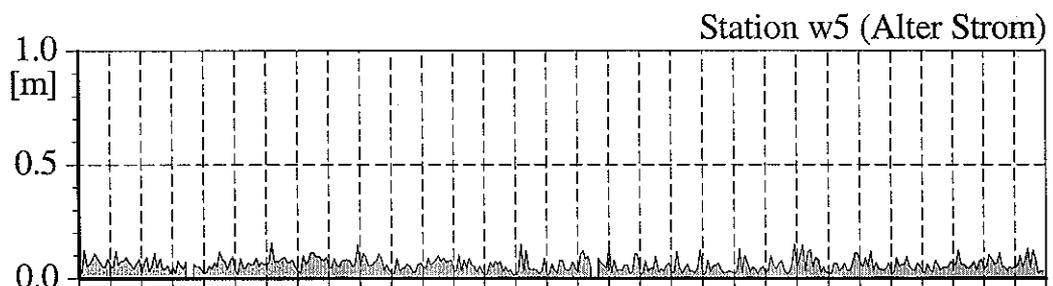
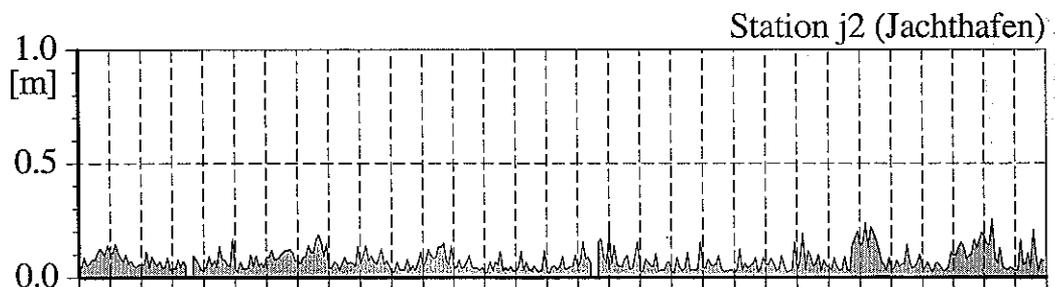
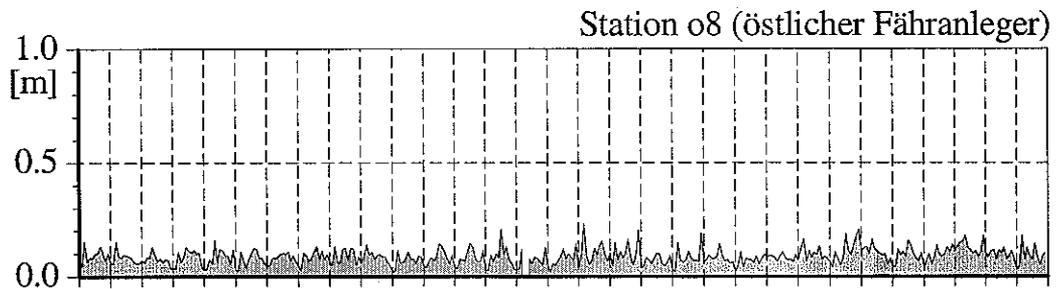
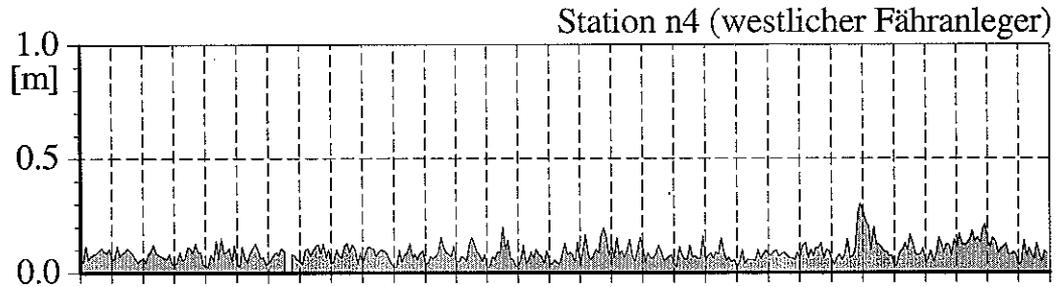




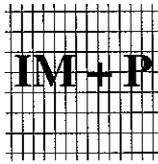
ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_{m0}

01. - 31. 05. 2000

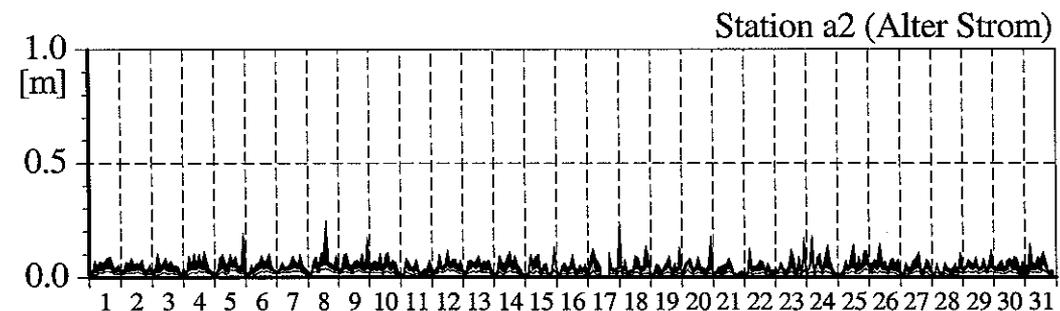
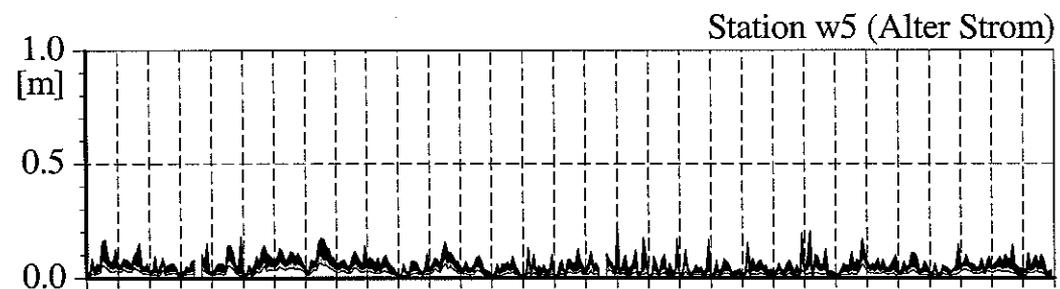
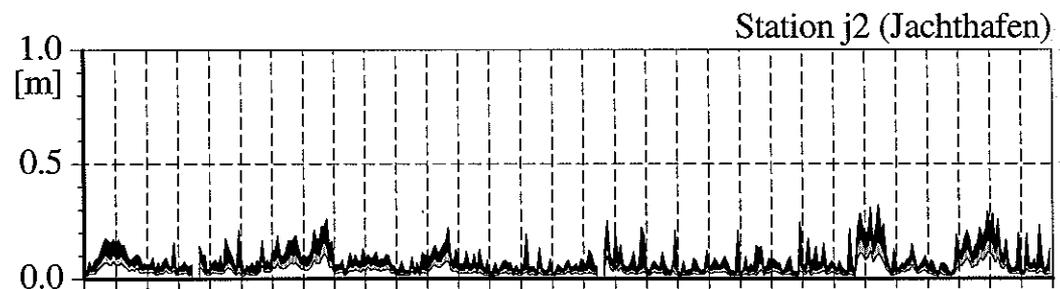
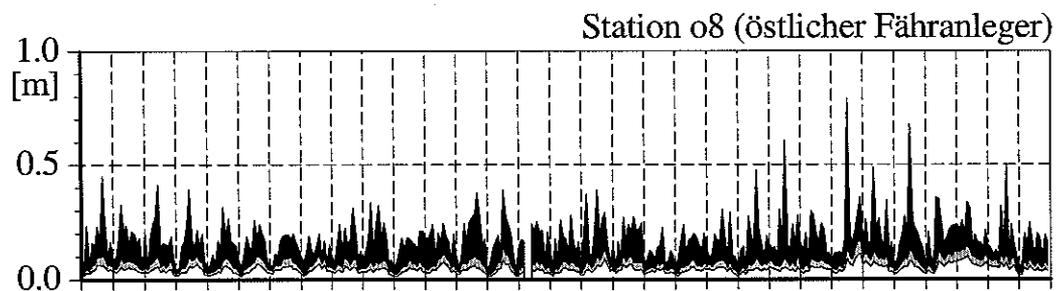
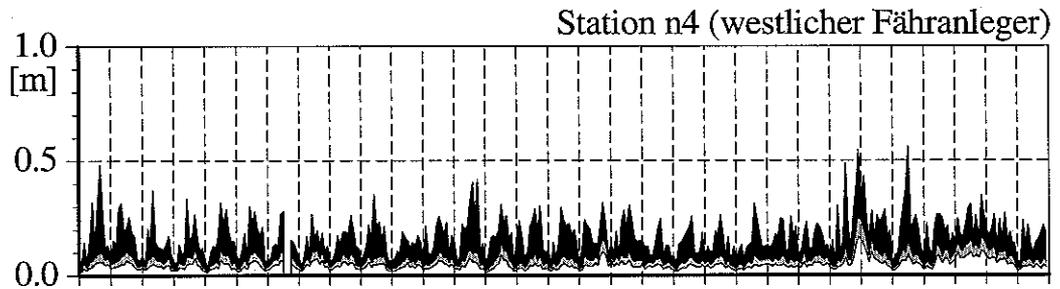


Mai 2000

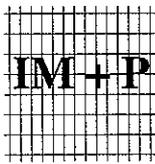


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max} 01. - 31. 05. 2000



Mai 2000

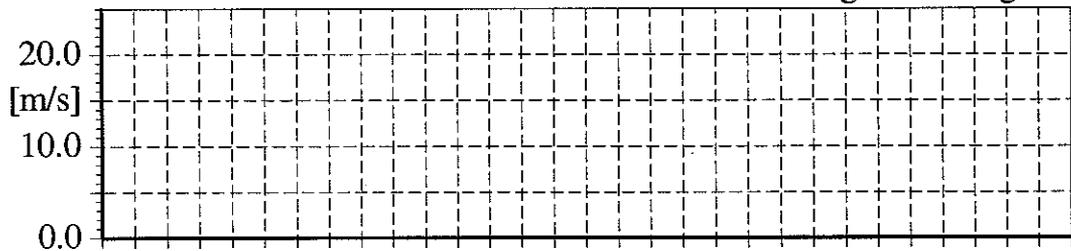


ZUFAHRT ZUM SEEHAFEN ROSTOCK

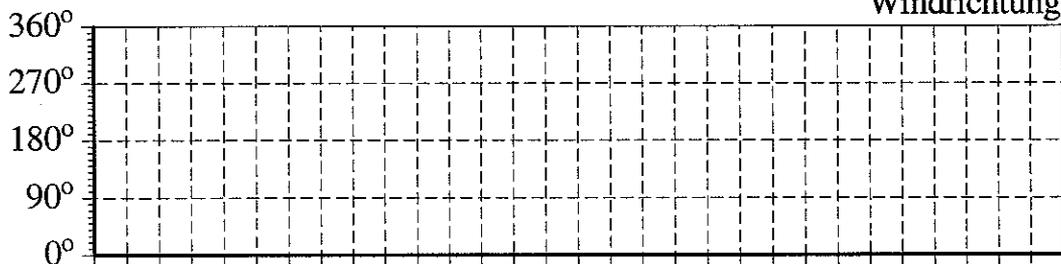
- Beweissicherung: Hydrologische Hauptwerte -

Wind - Seegang - Wasserstand | 01. - 30. 06. 2000

Windgeschwindigkeit

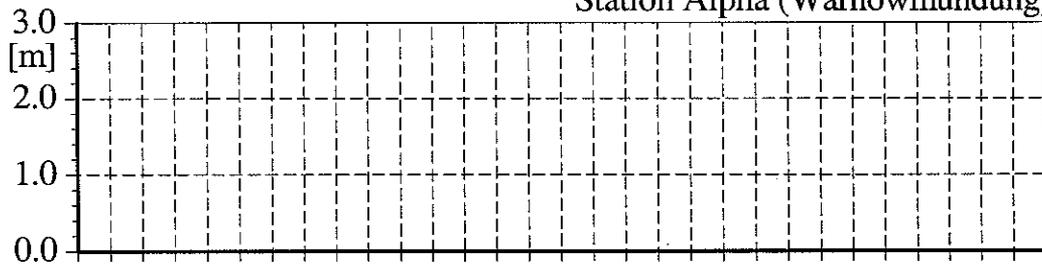


Windrichtung

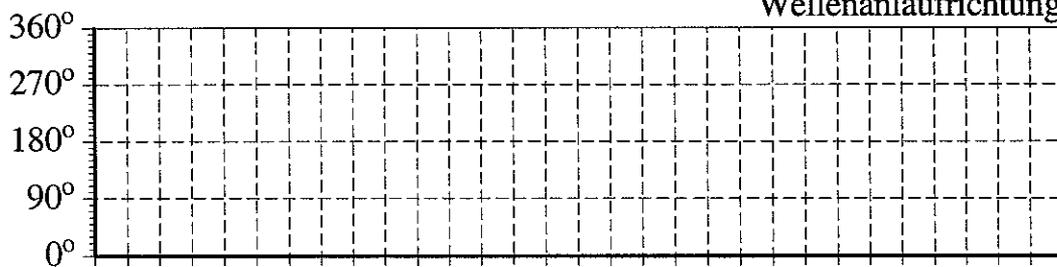


Station: DWD Warnemünde

Station Alpha (Warnowmündung)

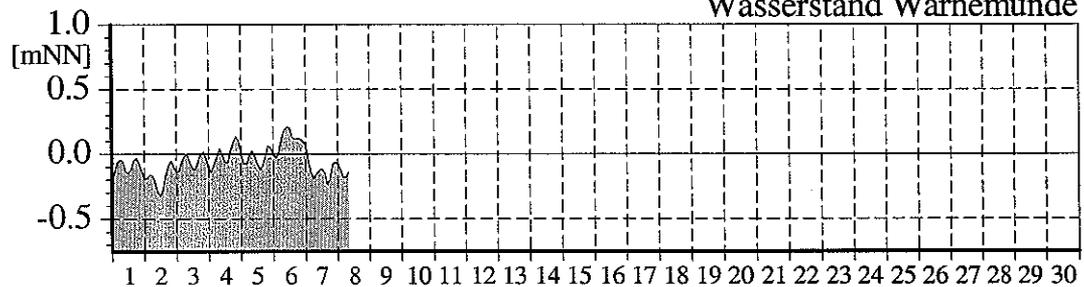


Wellenanlaufrichtung

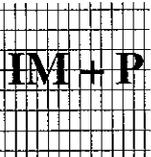


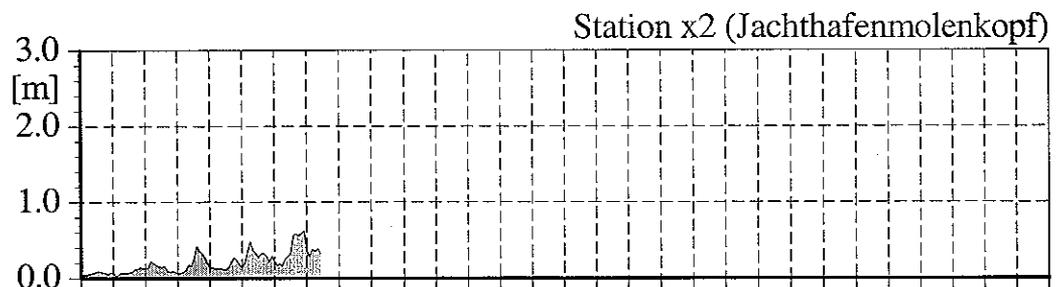
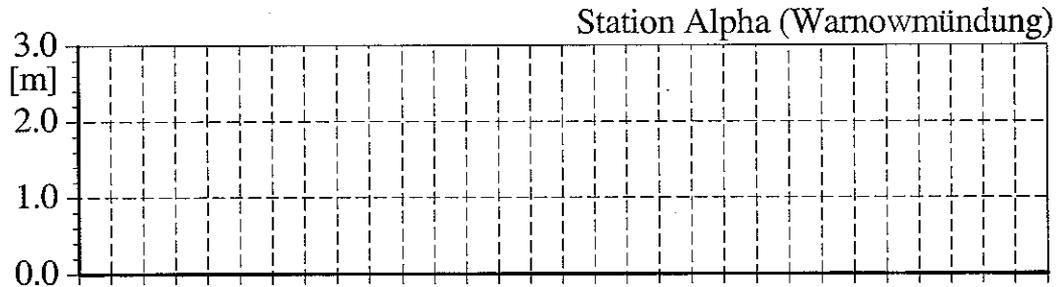
Station: Alpha (Warnowmündung)

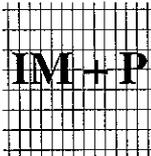
Wasserstand Warnemünde

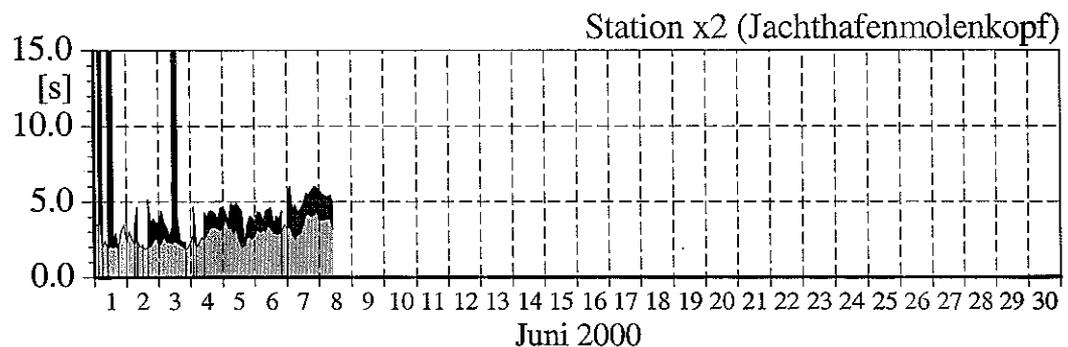
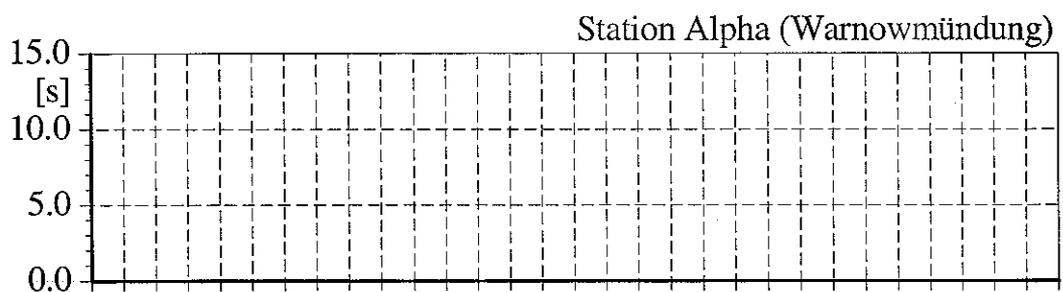


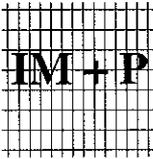
Juni 2000

	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenhöhe: H_{m0}	01. - 30. 06. 2000



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Seegangsmessungen -	
	Wellenperiode:  T_{m02}  T_p	01. - 30. 06. 2000





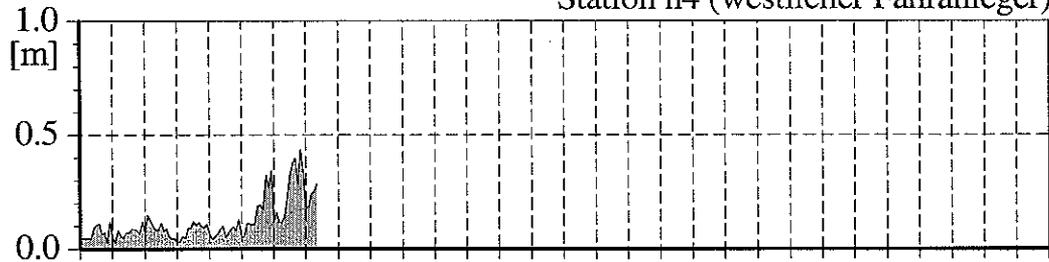
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Seegangsmessungen -

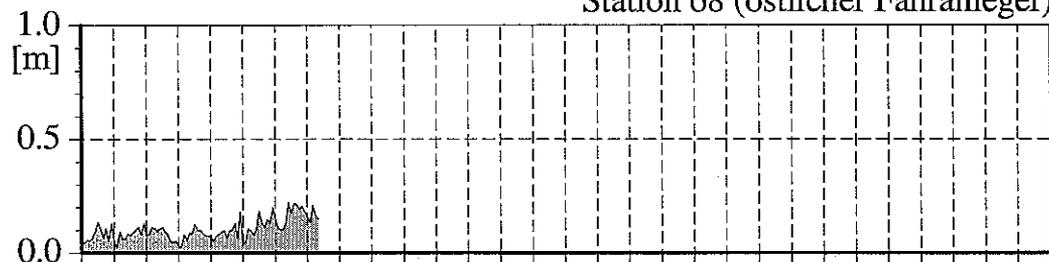
Wellenhöhe: H_{m0}

01. - 30. 06. 2000

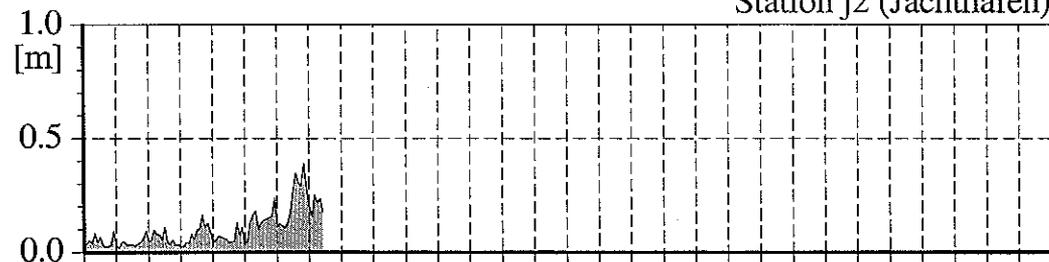
Station n4 (westlicher Fähranleger)



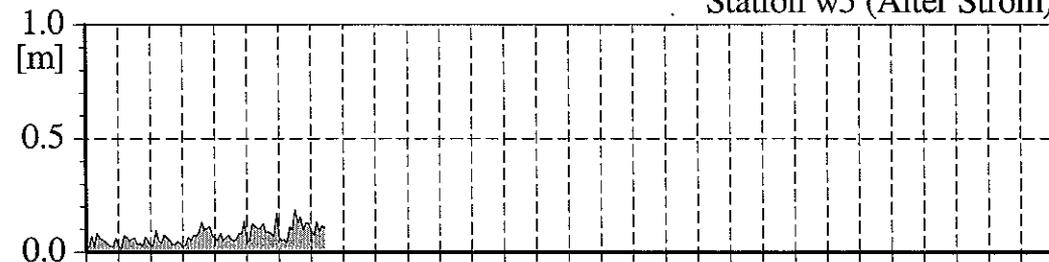
Station o8 (östlicher Fähranleger)



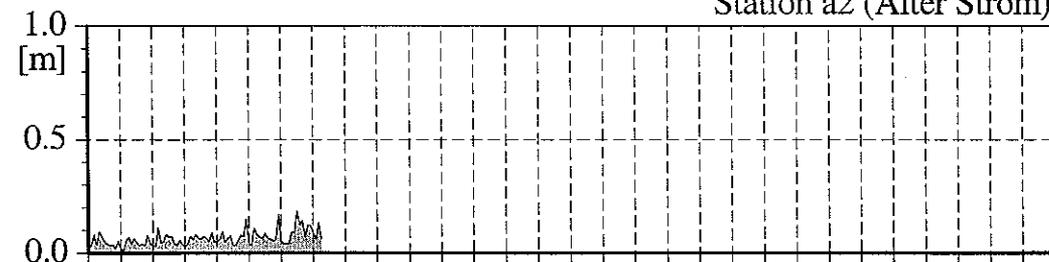
Station j2 (Jachthafen)



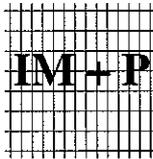
Station w5 (Alter Strom)



Station a2 (Alter Strom)



Juni 2000

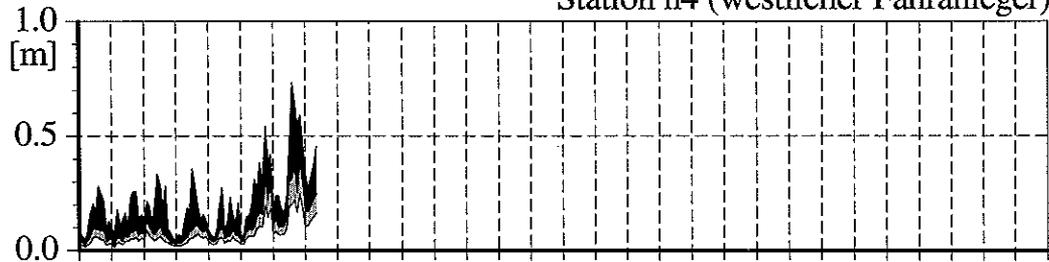


ZUFAHRT ZUM SEEHAFEN ROSTOCK

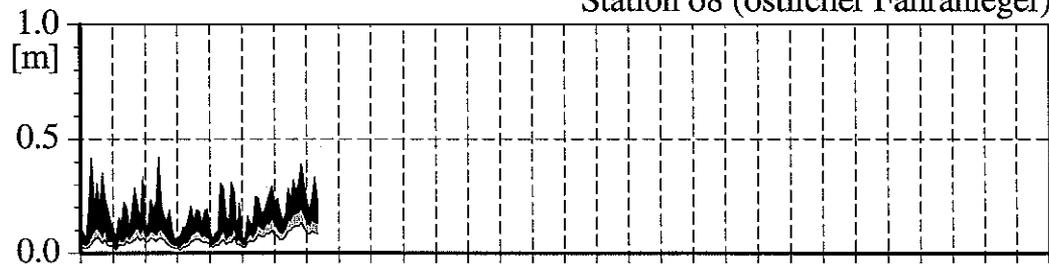
- Beweissicherung: Seegangsmessungen -

Wellenhöhe: H_m $H_{1/3}$ H_{max} 01. - 30. 06. 2000

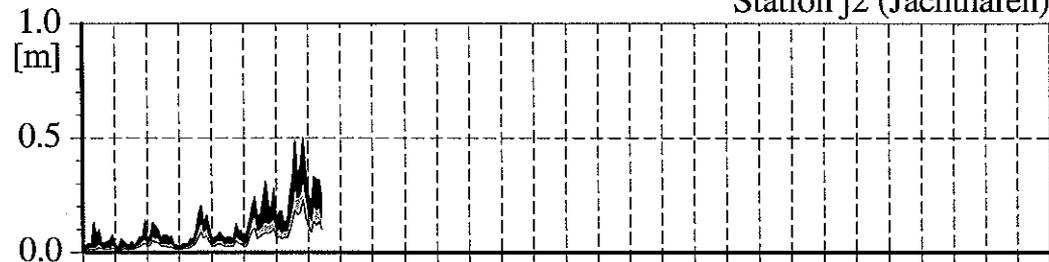
Station n4 (westlicher Fähranleger)



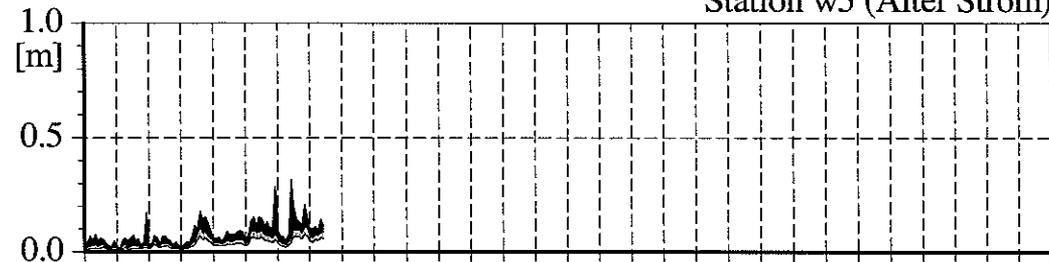
Station o8 (östlicher Fähranleger)



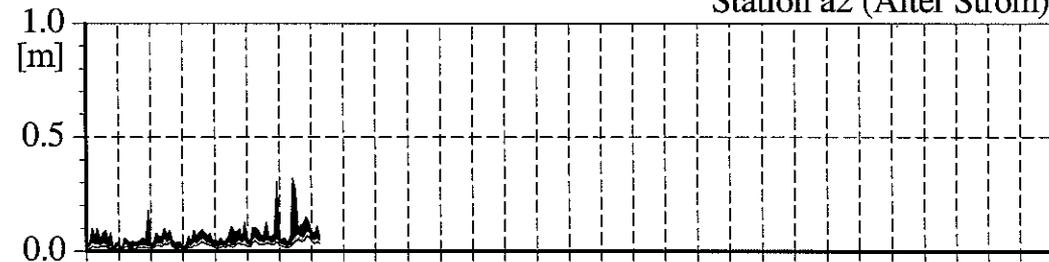
Station j2 (Jachthafen)



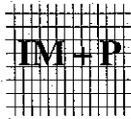
Station w5 (Alter Strom)



Station a2 (Alter Strom)



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30
Juni 2000



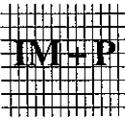
Anlage 3:

Wind/Wellen - Korrelation DWD Warnemünde - Station Alpha

Anlage 3.1: Messkampagne I (1996) (9 Seiten)

Anlage 3.2: Messkampagne II (1998/99) (9 Seiten)

Anlage 3.3: Messkampagne III (1999/2000) (9 Seiten)

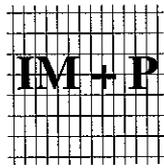


Ingenieurbüro Dr.-Ing. Manzenrieder und Partner GbR, Oldenburg

Ausbau d. Zufahrt z. Seehafen Rostock, Beweissicherung 1996, 1998/99 + 1999/2000

Anlage 3.1: Messkampagne I (1996)

(9 Seiten)

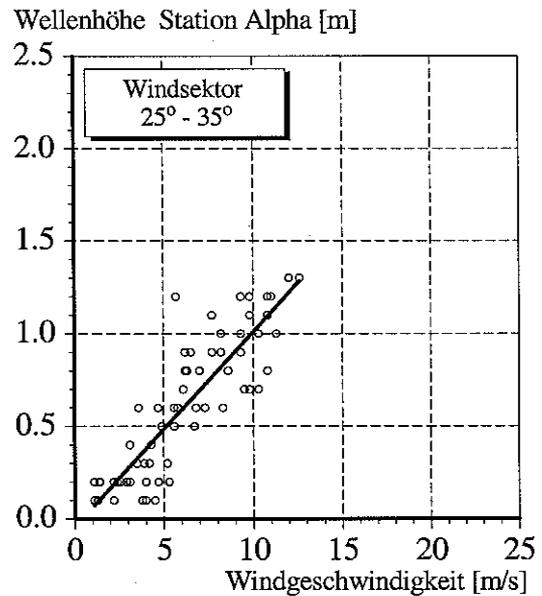
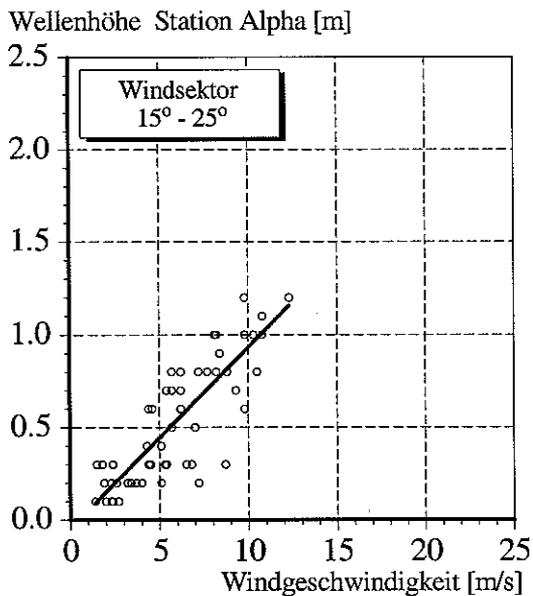
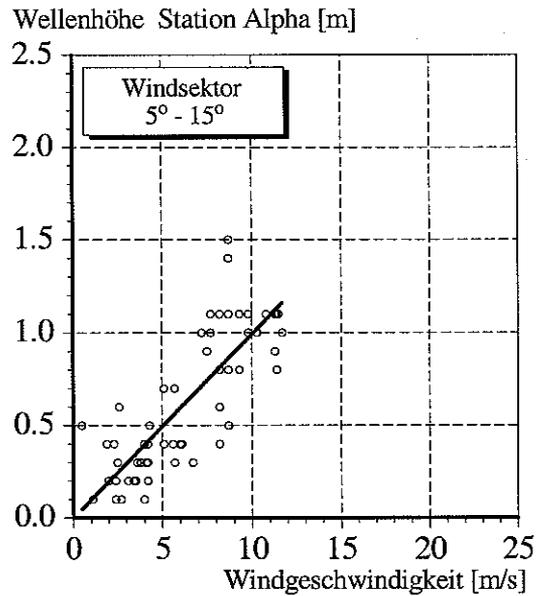
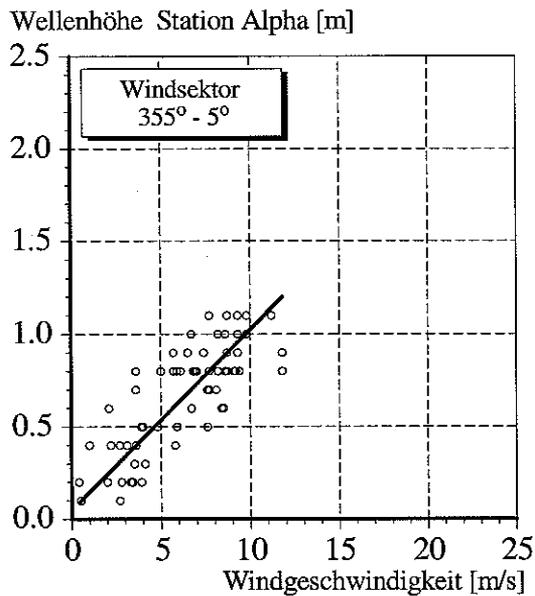


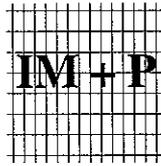
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Wind-/Wellenkorrelation -

Wind (DWD) - H_{m0} (Station Alpha)

06. - 12. 1996





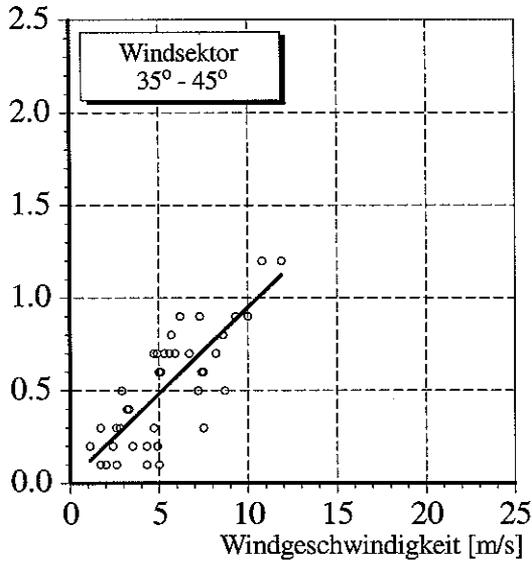
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Wind-/Wellenkorrelation -

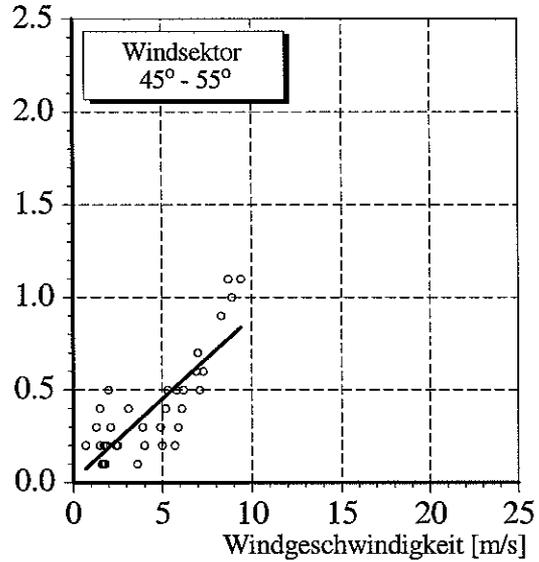
Wind (DWD) - H_{m0} (Station Alpha)

06. - 12. 1996

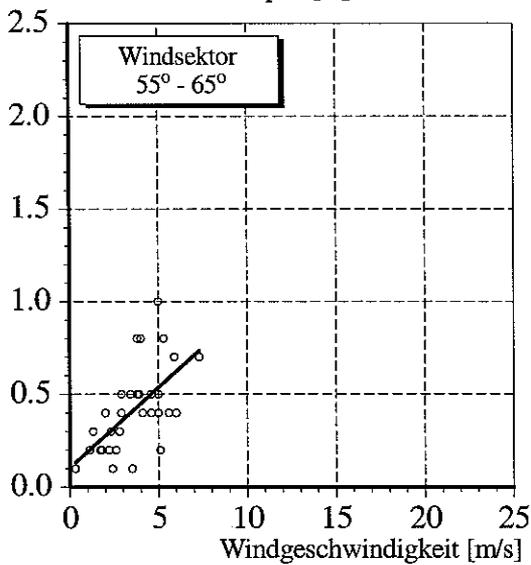
Wellenhöhe Station Alpha [m]



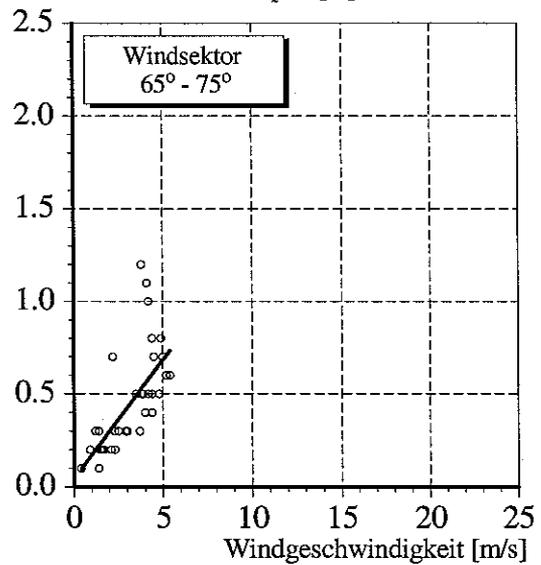
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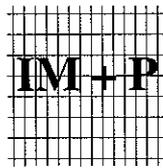


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Wellenhöhe Station Alpha [m]



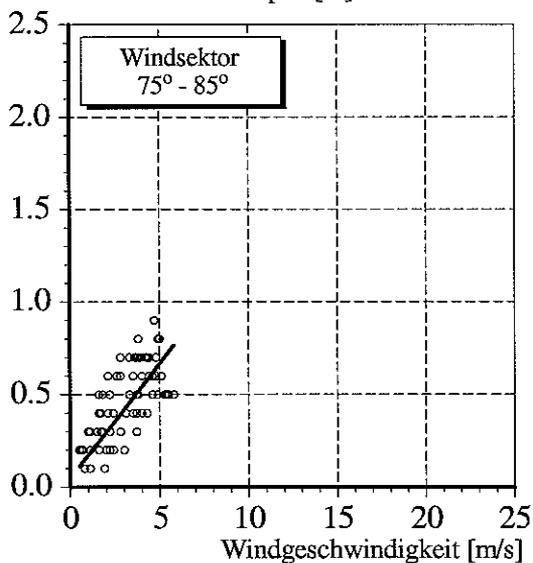


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Wind-/Wellenkorrelation -

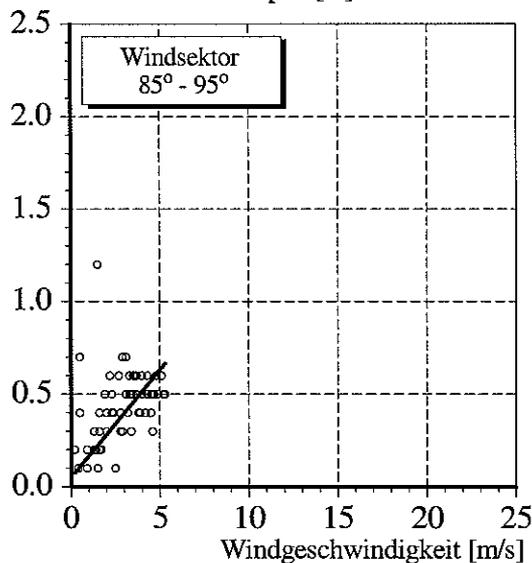
Wind (DWD) - H_{m0} (Station Alpha)

06. - 12. 1996

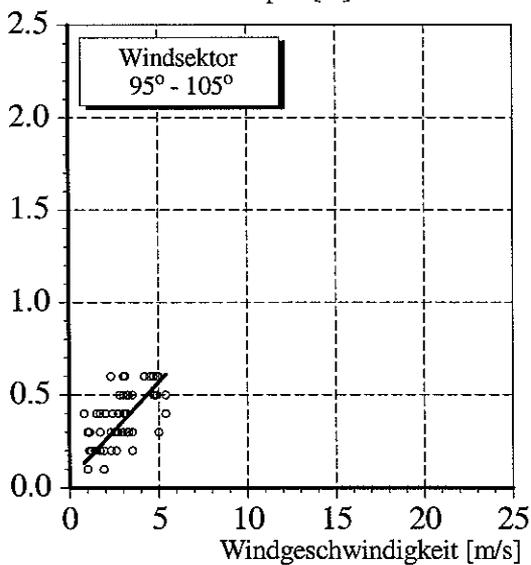
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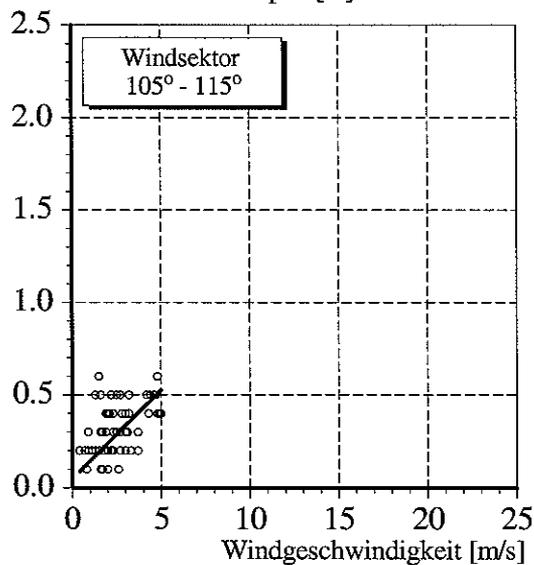
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Wellenhöhe Station Alpha [m]



Wellenhöhe Station Alpha [m]



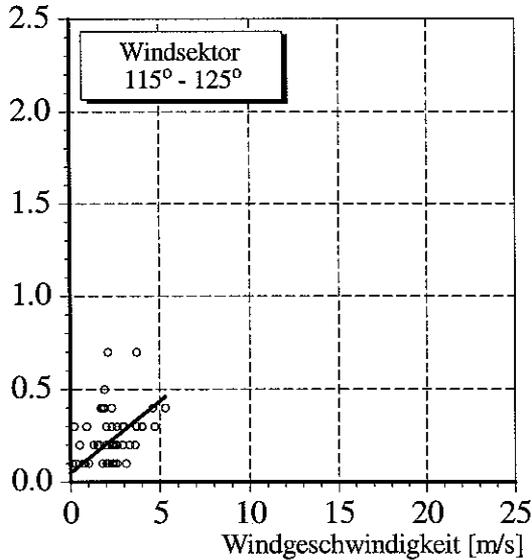


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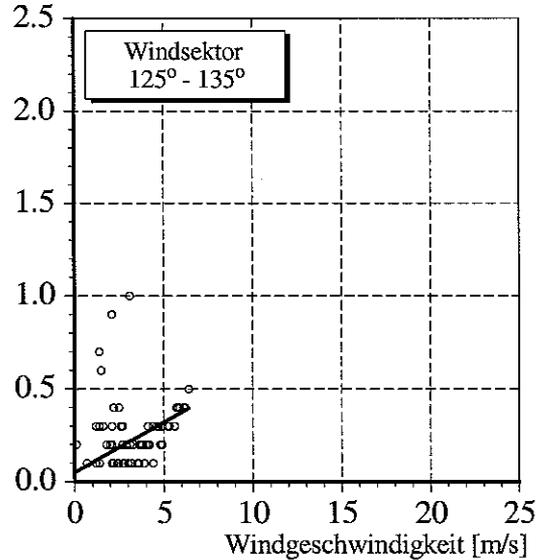
Wind (DWD) - H_{m0} (Station Alpha)

06. - 12. 1996

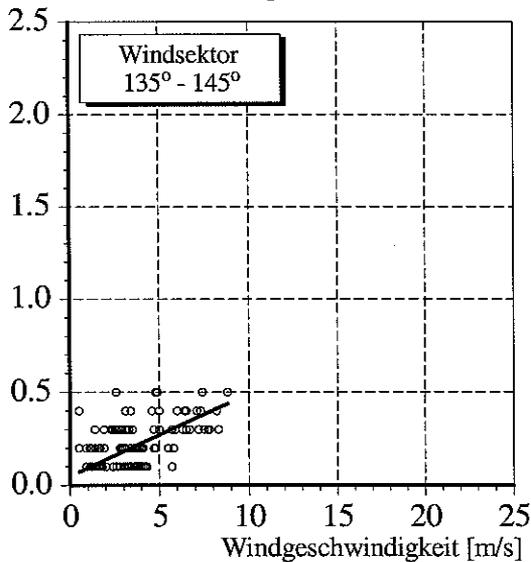
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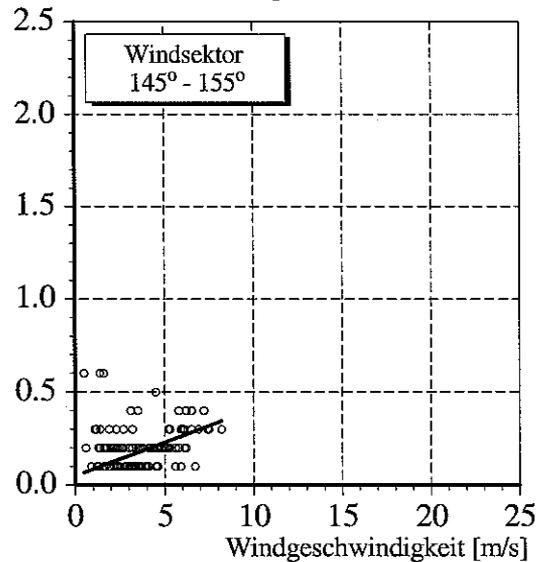
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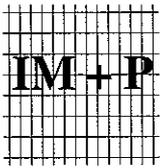


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Wellenhöhe Station Alpha [m]



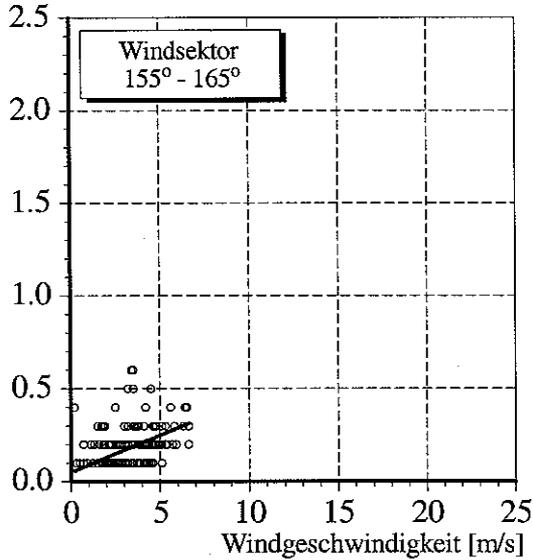


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Wind-/Wellenkorrelation -

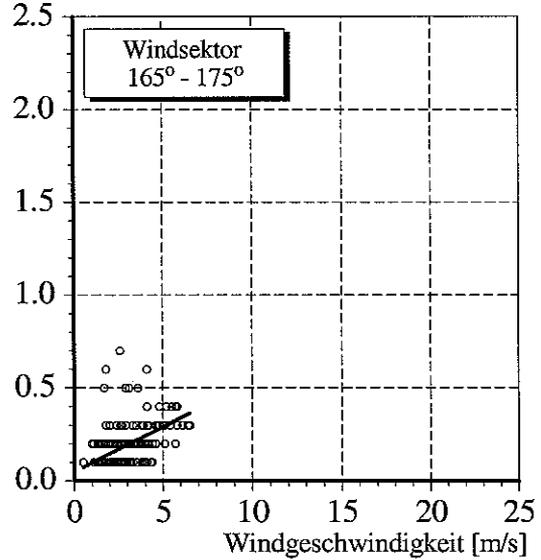
Wind (DWD) - H_{m0} (Station Alpha)

06. - 12. 1996

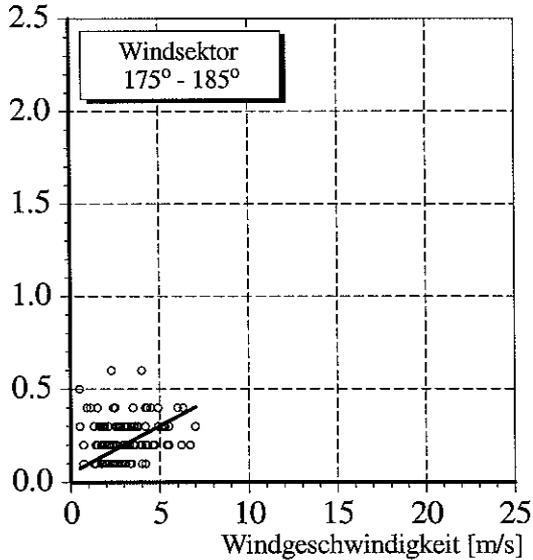
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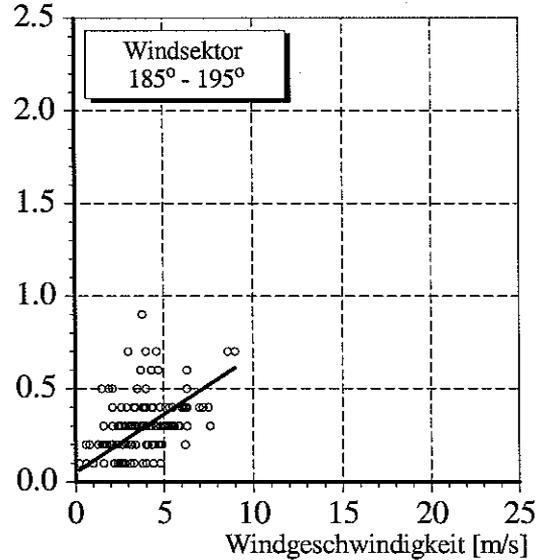
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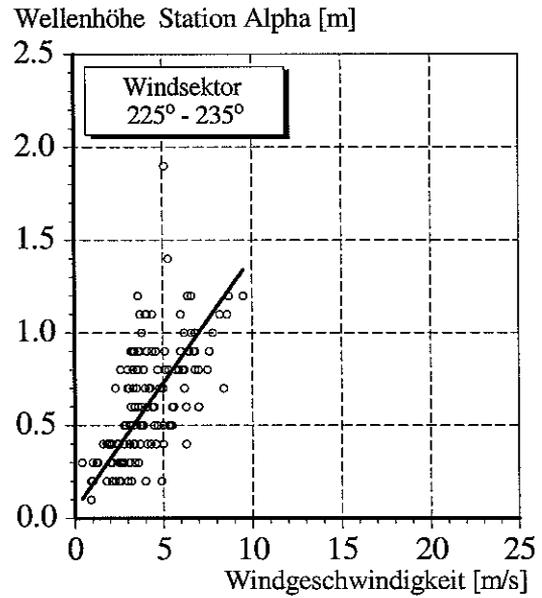
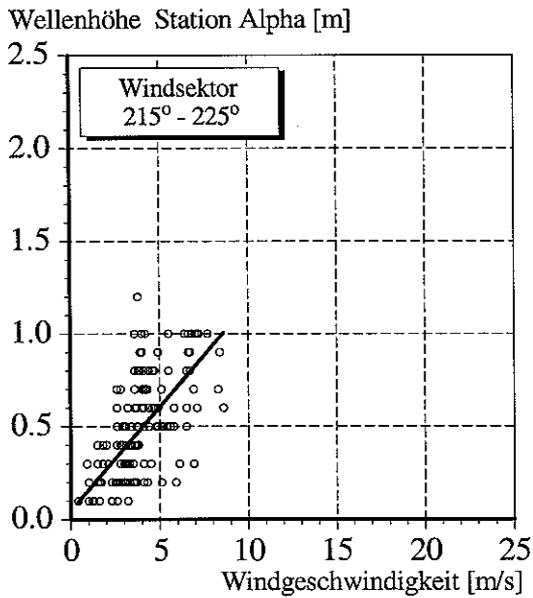
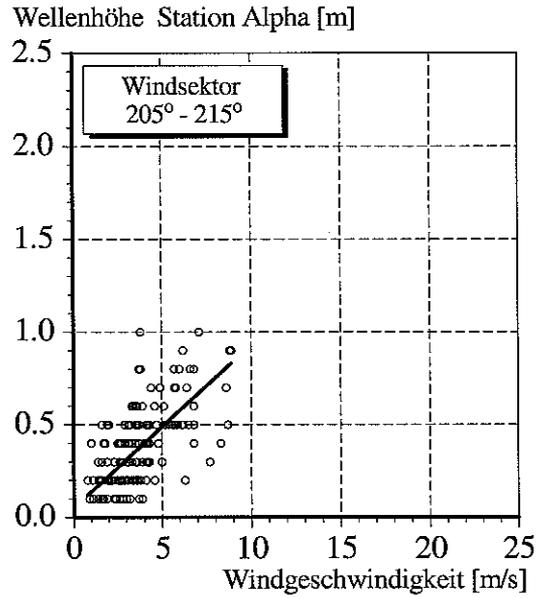
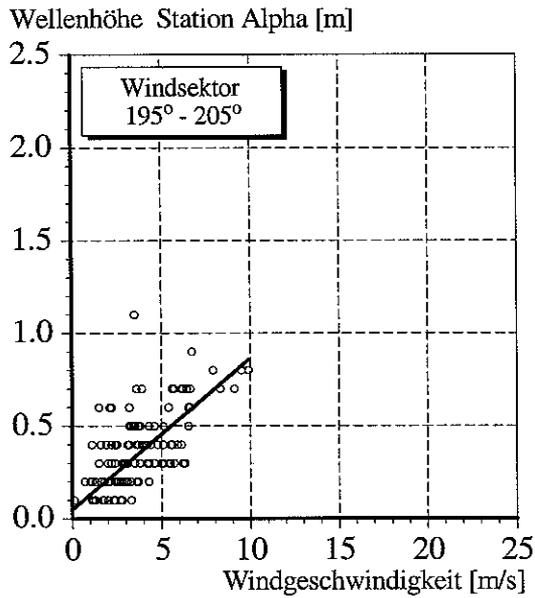


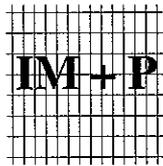
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Wellenhöhe Station Alpha [m]







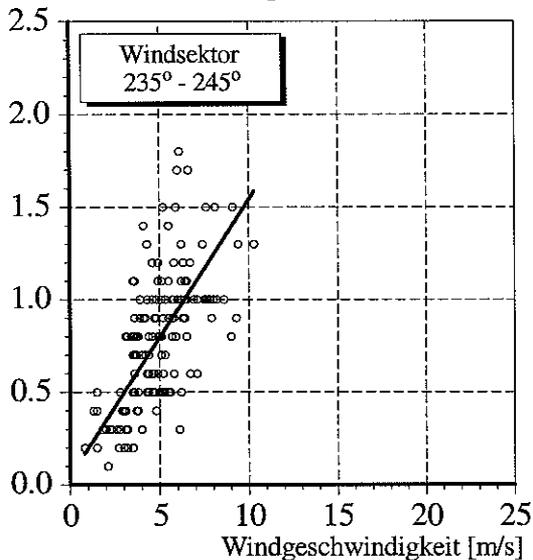
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Wind-/Wellenkorrelation -

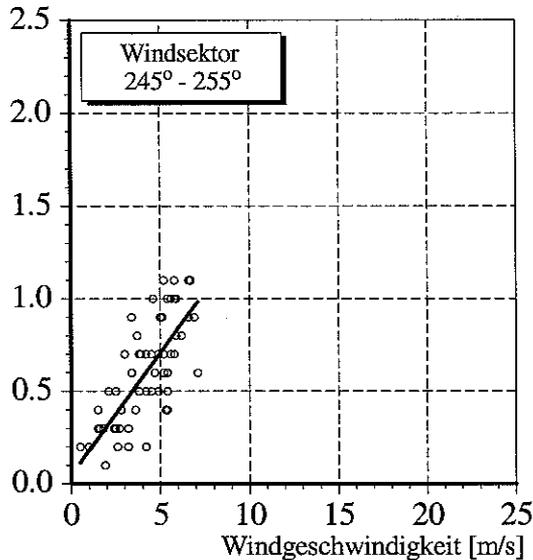
Wind (DWD) - H_{m0} (Station Alpha)

06. - 12. 1996

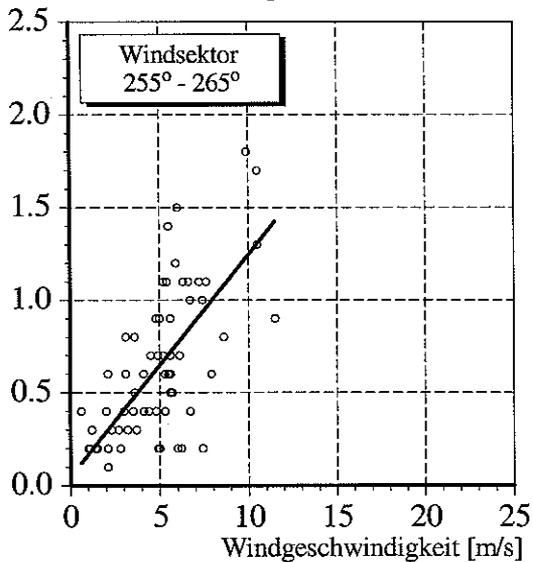
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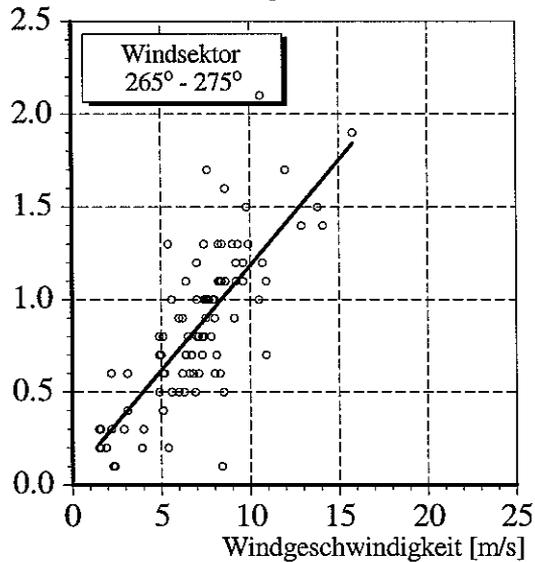
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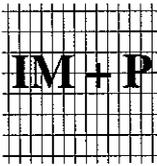


Wellenhöhe Station Alpha [m]



Wellenhöhe Station Alpha [m]

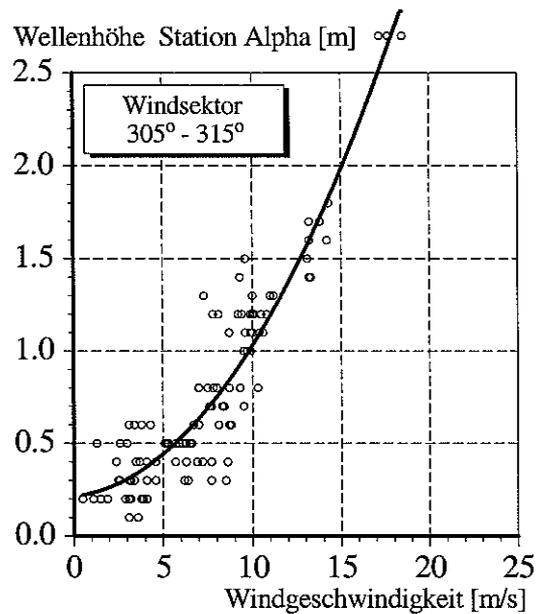
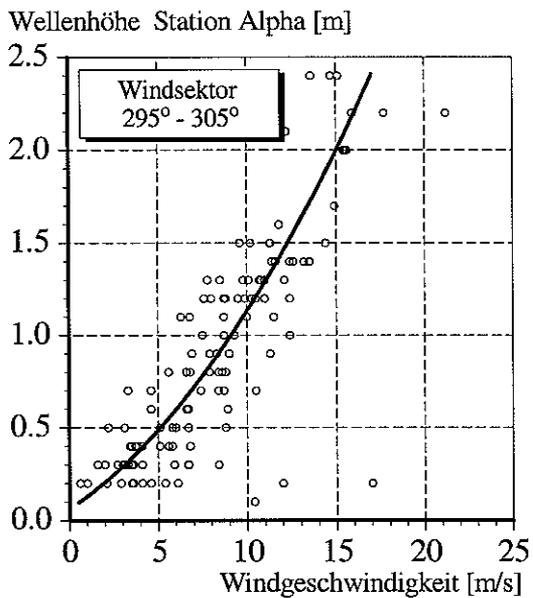
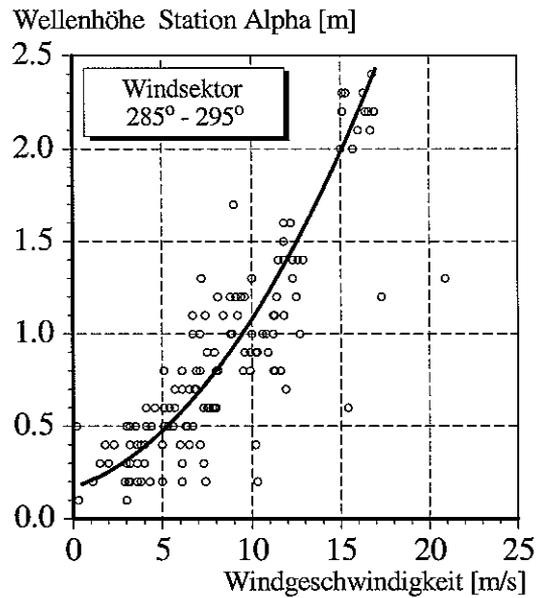
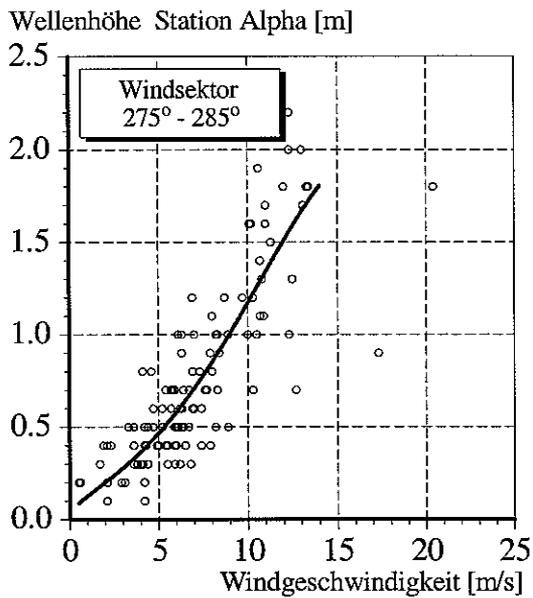


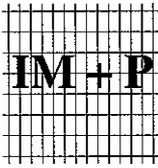


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Wind-/Wellenkorrelation -

Wind (DWD) - H_{m0} (Station Alpha)

06. - 12. 1996

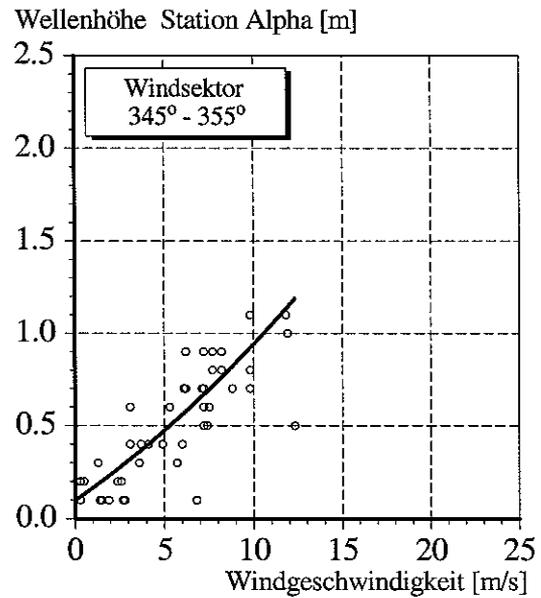
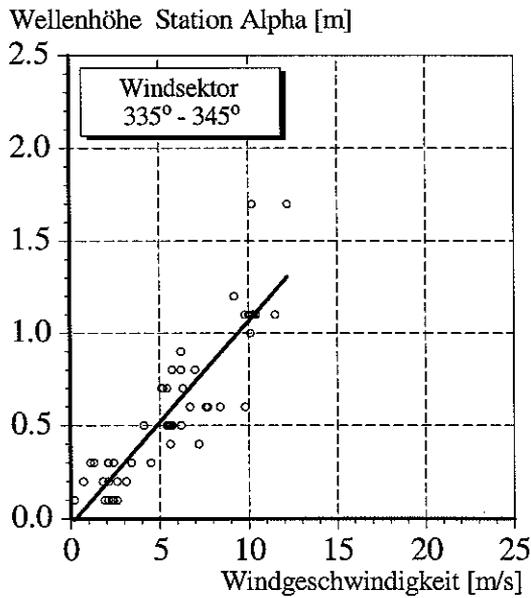
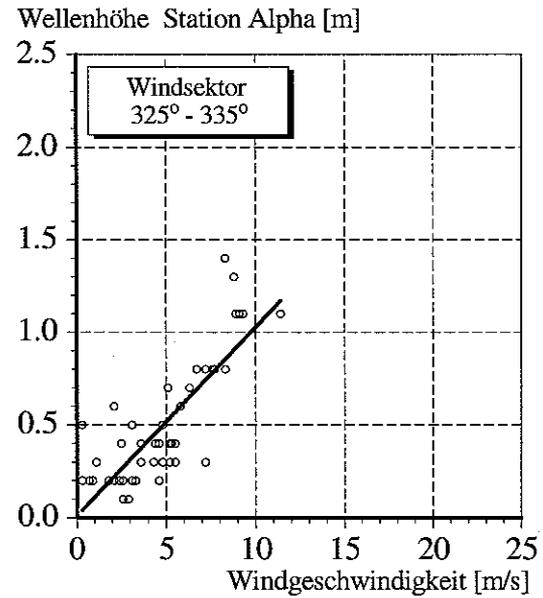
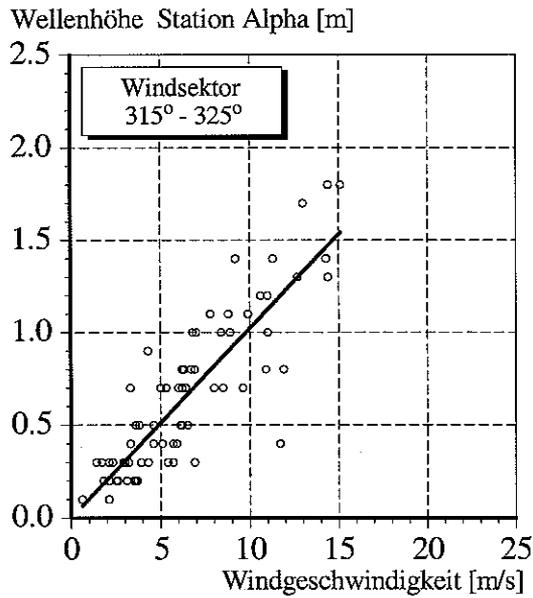


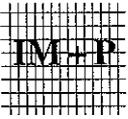


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Wind-/Wellenkorrelation -

Wind (DWD) - H_{m0} (Station Alpha)

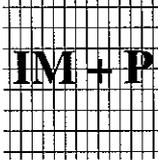
06. - 12. 1996





Anlage 3.2: Messkampagne II (1998/99)

(9 Seiten)



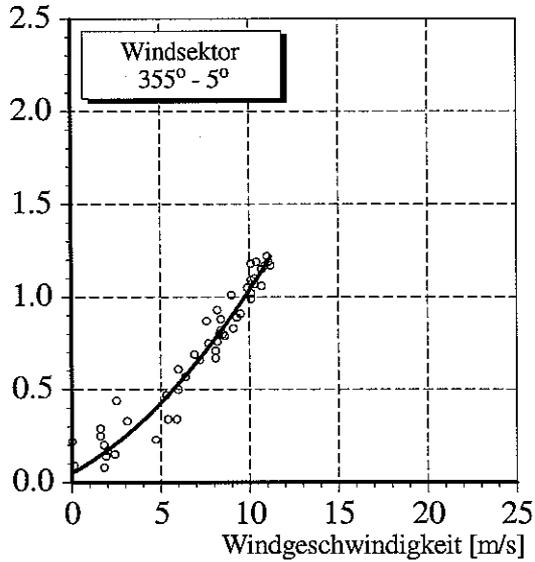
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- Beweissicherung: Wind-/Wellenkorrelation -

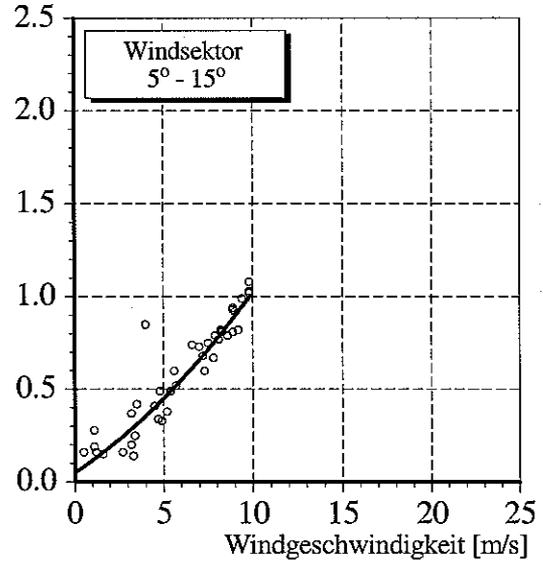
Wind (DWD) - H_{m0} (Station Alpha)

07. 1998 - 01. 1999

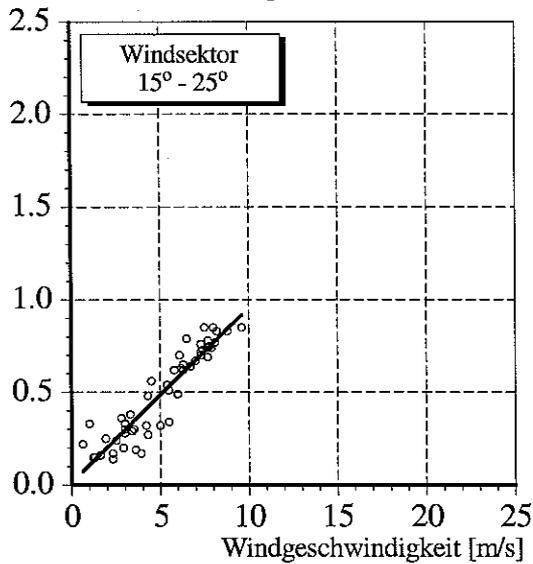
Wellenhöhe Station Alpha [m]



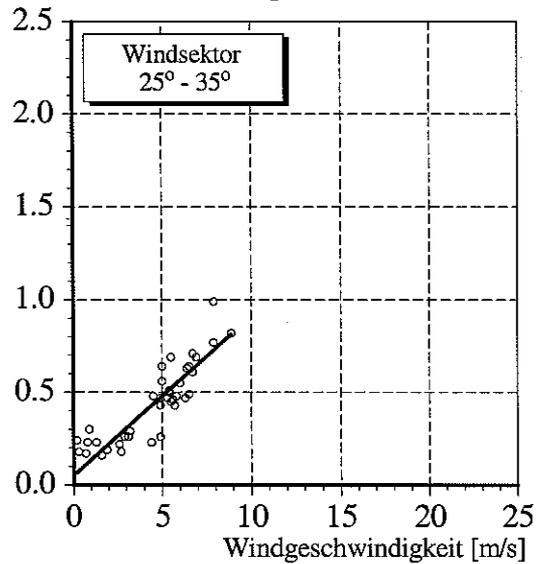
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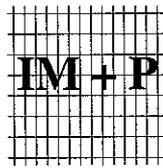


Wellenhöhe Station Alpha [m]



Wellenhöhe Station Alpha [m]





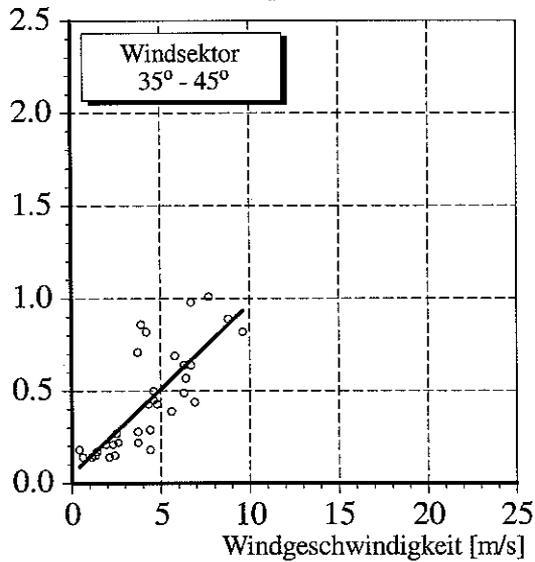
ZUFAHRT ZUM SEEHAFEN ROSTOCK

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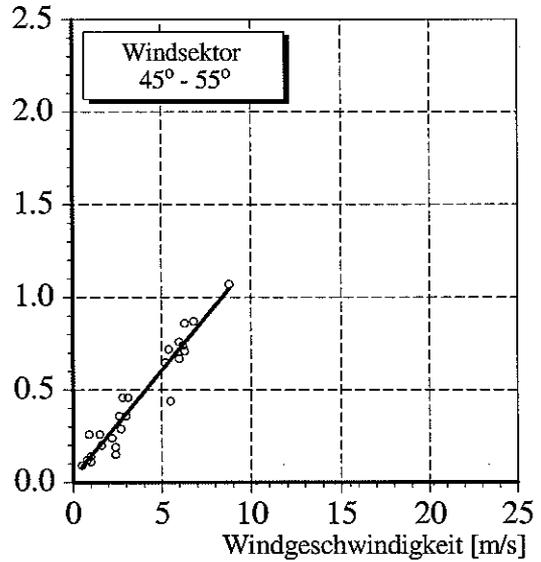
Wind (DWD) - H_{m0} (Station Alpha)

07. 1998 - 01. 1999

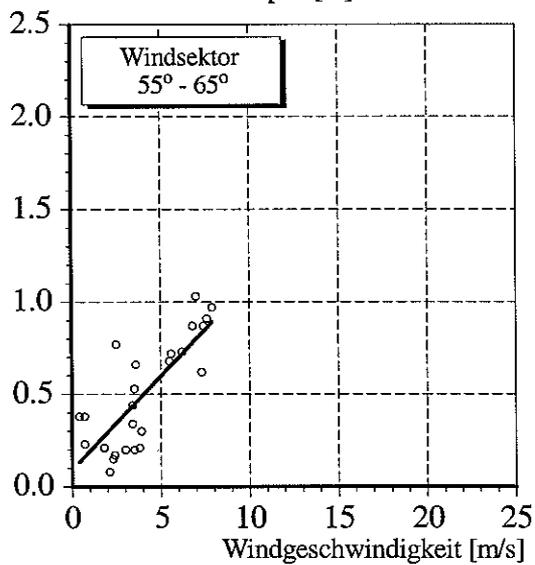
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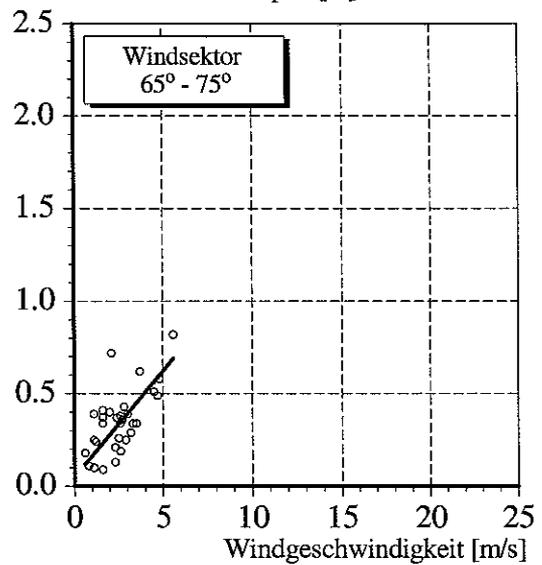
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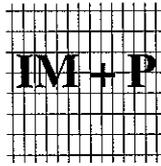


Wellenhöhe Station Alpha [m]



Wellenhöhe Station Alpha [m]



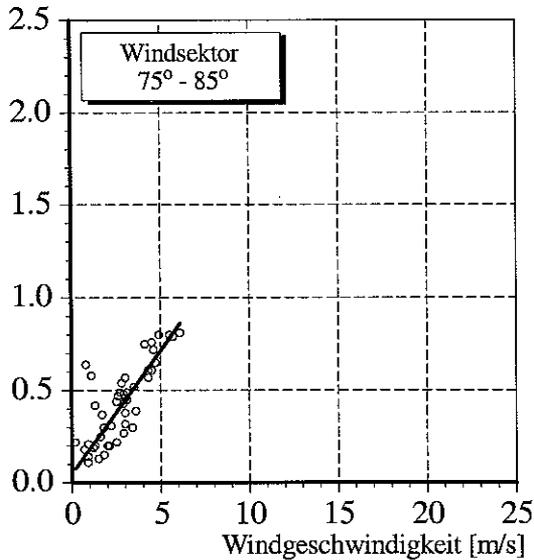


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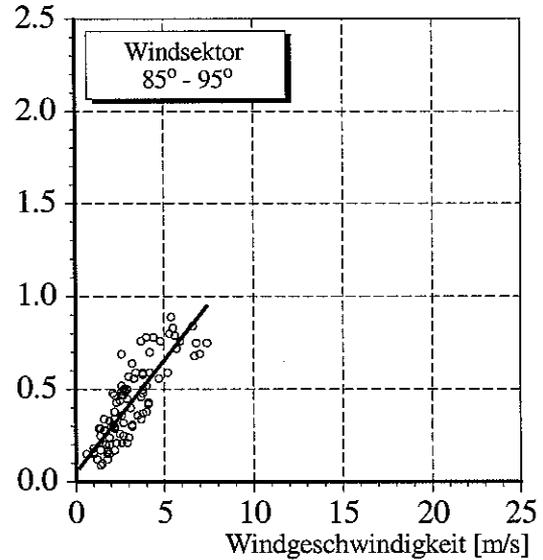
Wind (DWD) - H_{m0} (Station Alpha)

07. 1998 - 01. 1999

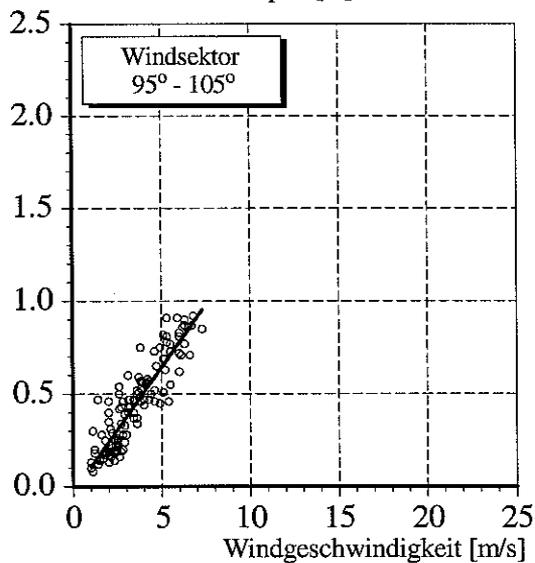
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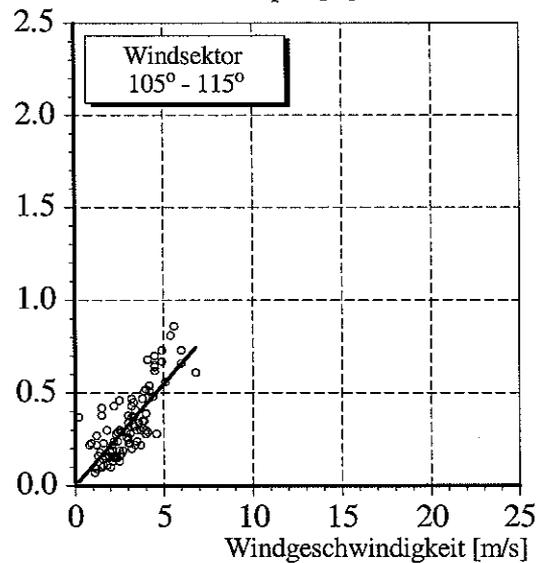
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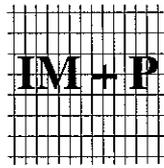


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Wellenhöhe Station Alpha [m]



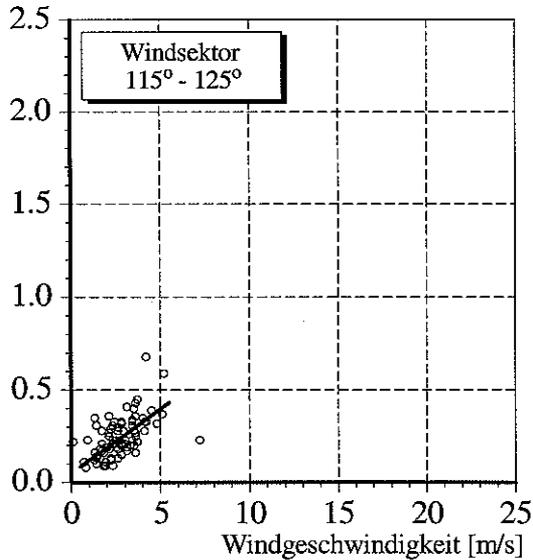


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Wind-/Wellenkorrelation -

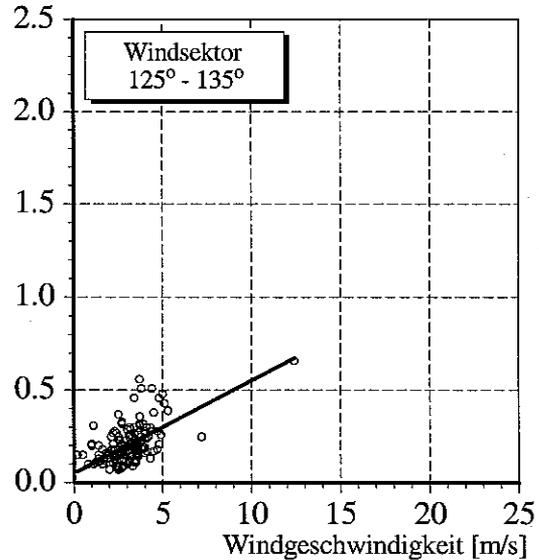
Wind (DWD) - H_{m0} (Station Alpha)

07. 1998 - 01. 1999

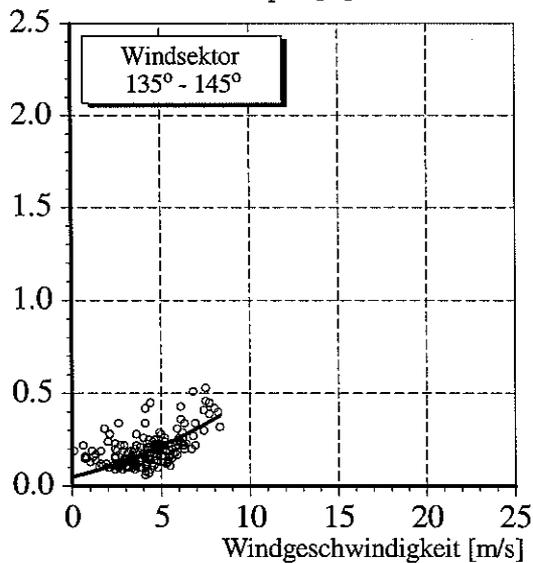
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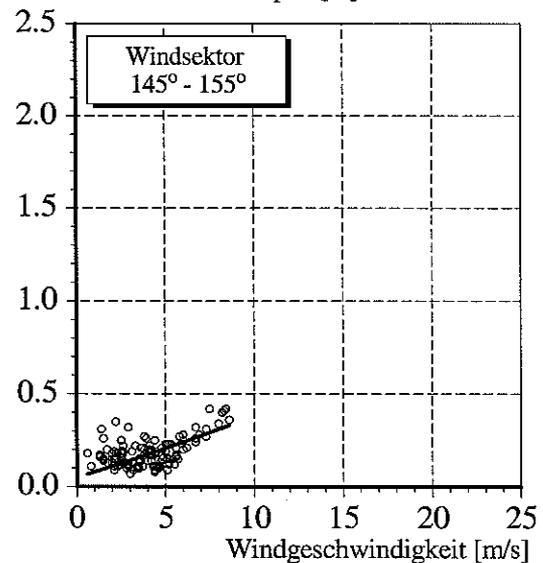
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Wellenhöhe Station Alpha [m]



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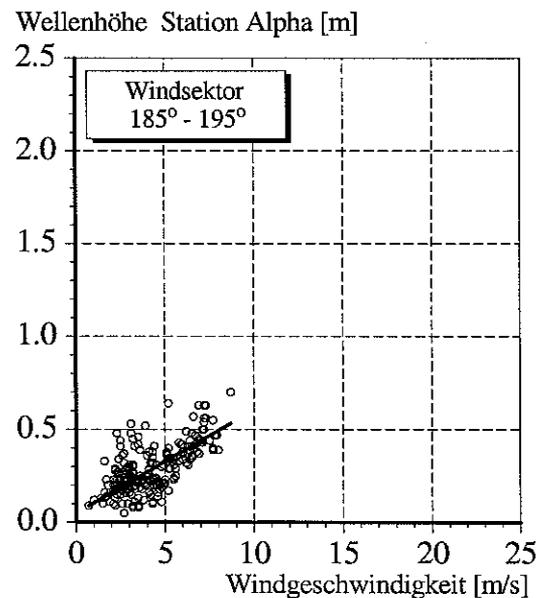
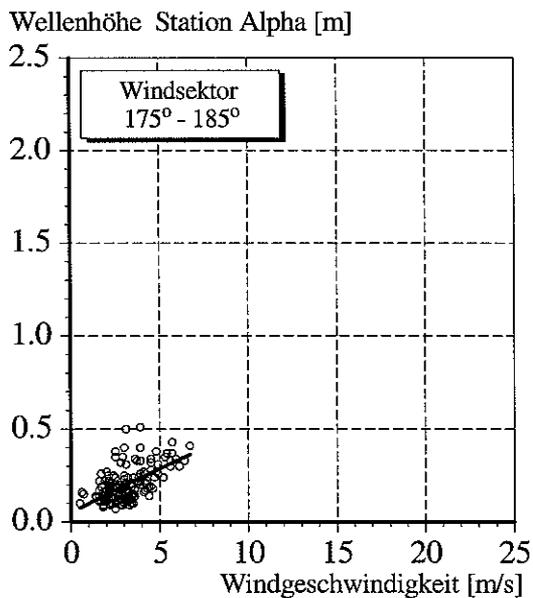
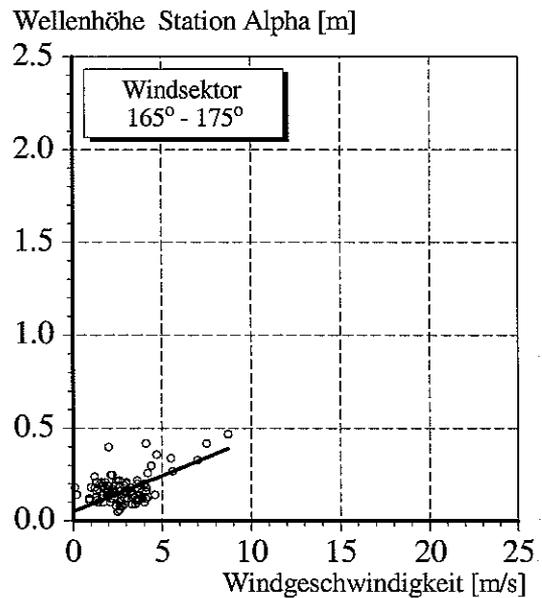
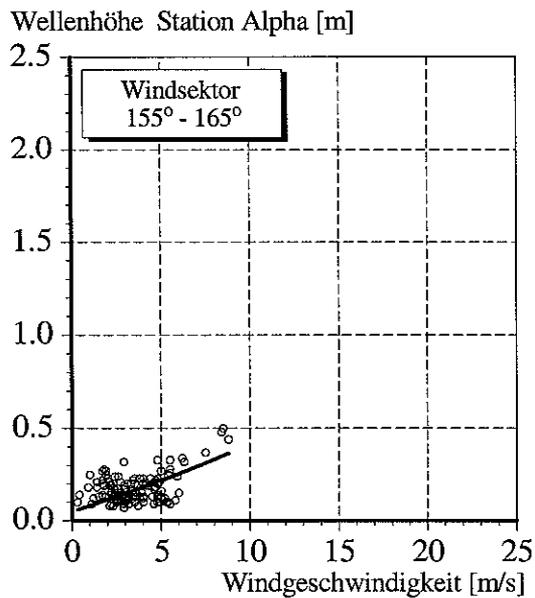


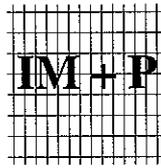


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Wind-/Wellenkorrelation -

Wind (DWD) - H_{m0} (Station Alpha)

07. 1998 - 01. 1999



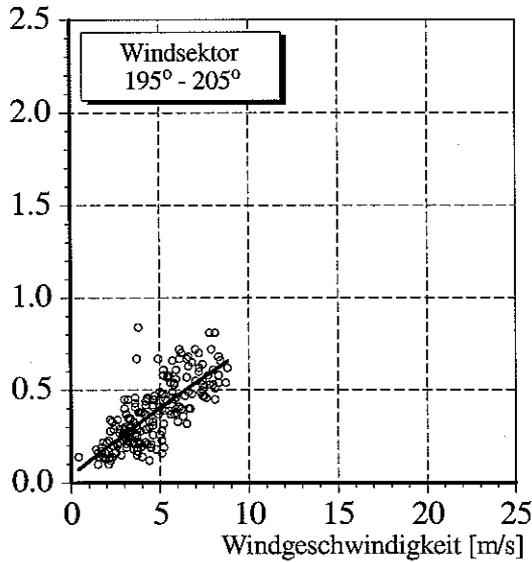


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Wind-/Wellenkorrelation -

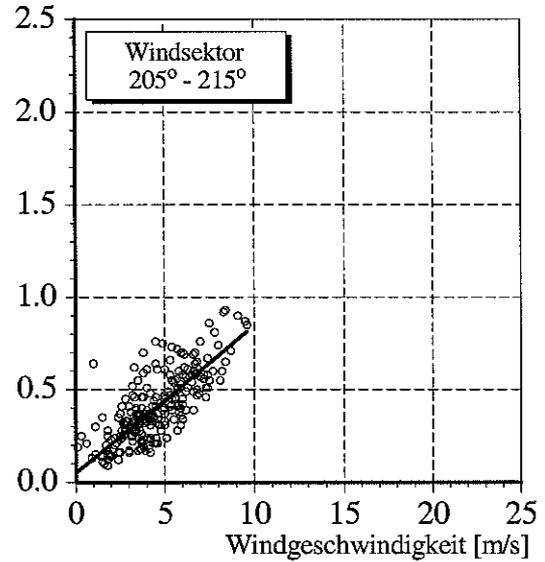
Wind (DWD) - H_{m0} (Station Alpha)

07. 1998 - 01. 1999

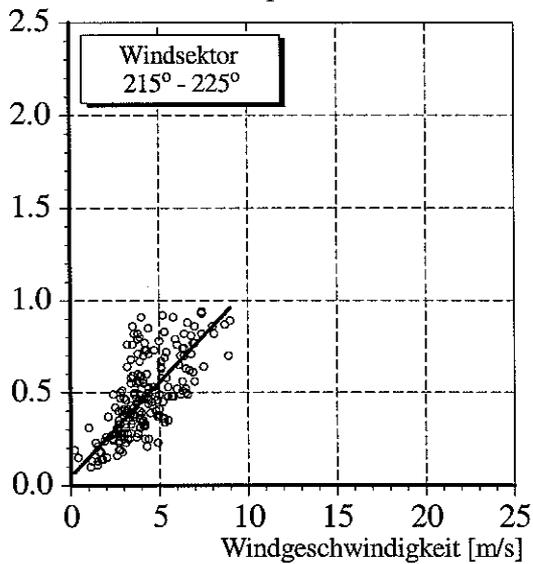
Wellenhöhe Station Alpha [m]



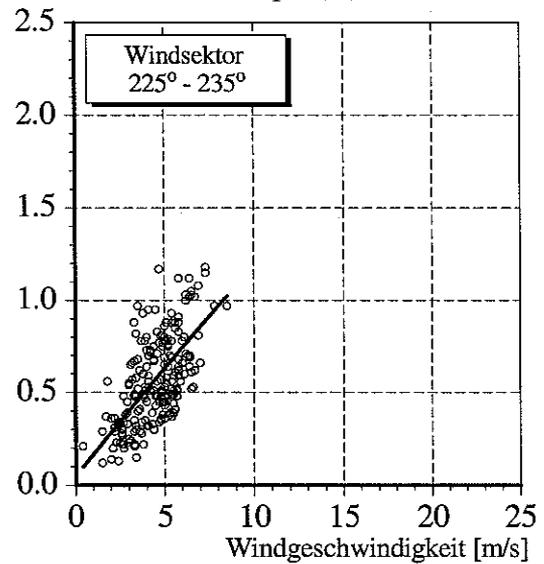
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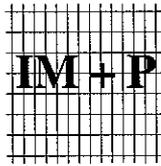


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Wellenhöhe Station Alpha [m]



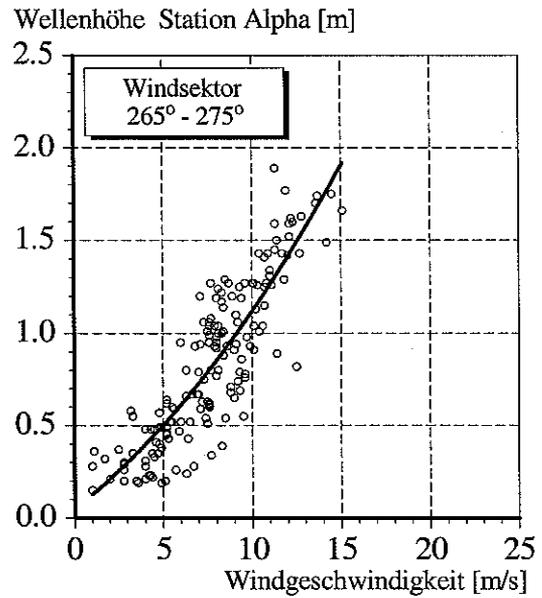
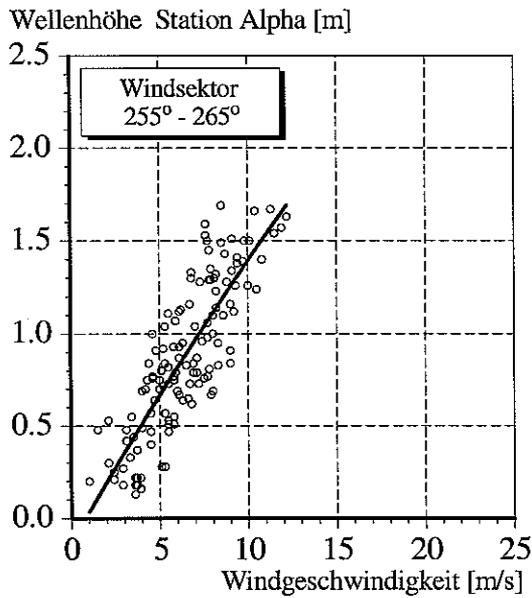
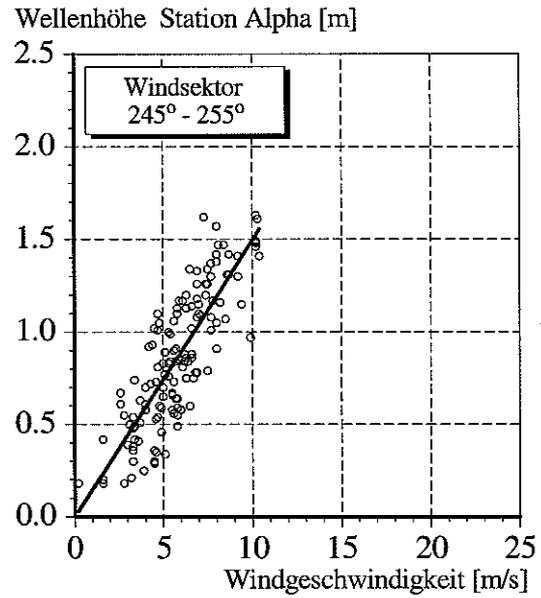
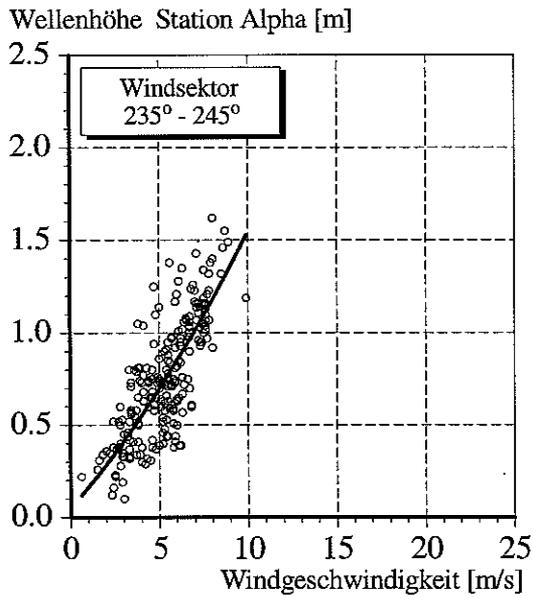


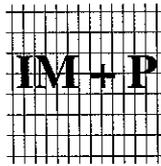
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Wind-/Wellenkorrelation -

Wind (DWD) - H_{m0} (Station Alpha)

07. 1998 - 01. 1999



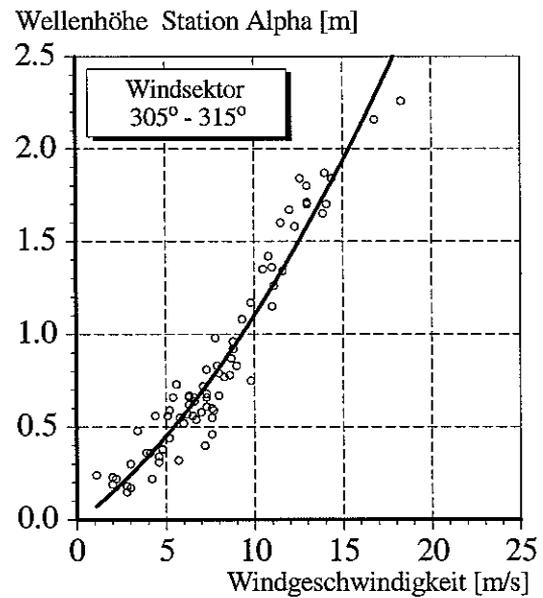
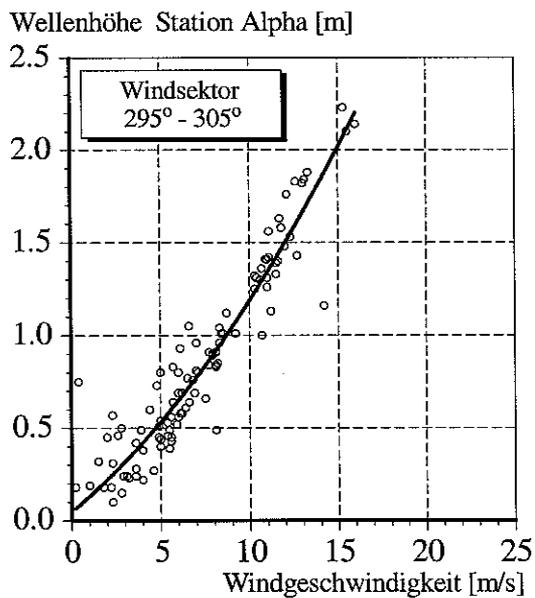
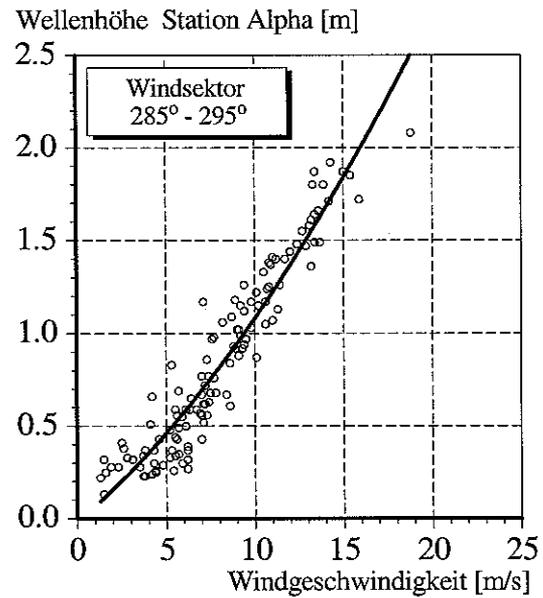
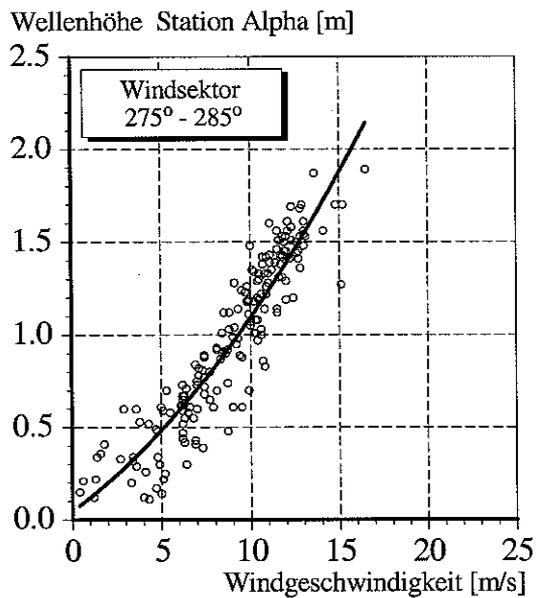


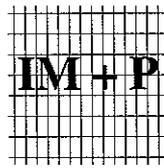
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Wind-/Wellenkorrelation -

Wind (DWD) - H_{m0} (Station Alpha)

07. 1998 - 01. 1999



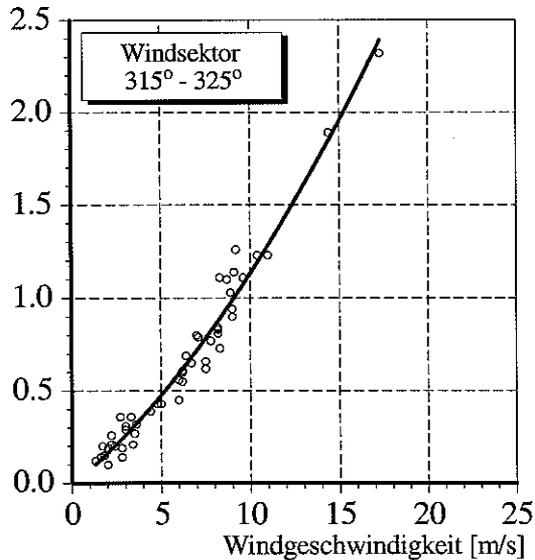


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Wind-/Wellenkorrelation -

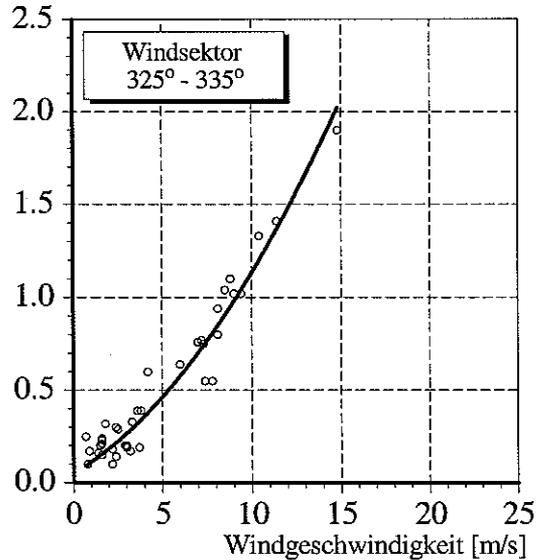
Wind (DWD) - H_{m0} (Station Alpha)

07. 1998 - 01. 1999

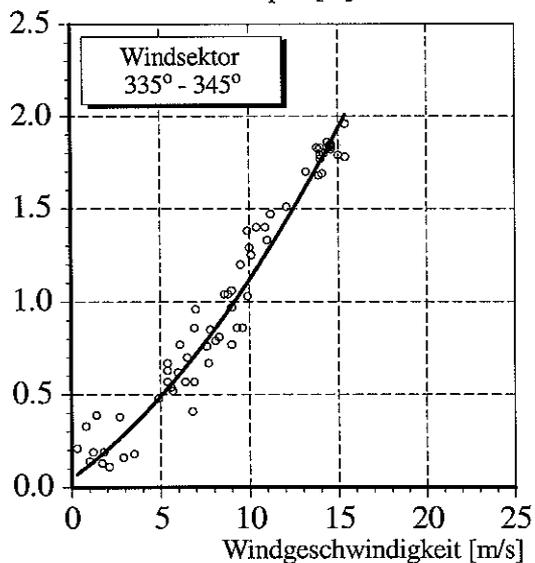
Wellenhöhe Station Alpha [m]



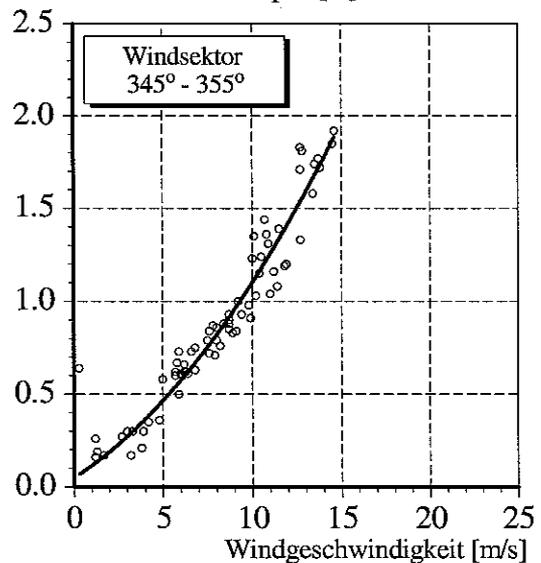
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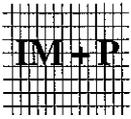


Wellenhöhe Station Alpha [m]



Wellenhöhe Station Alpha [m]



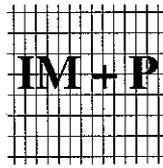


Ingenieurbüro Dr.-Ing. Manzenrieder und Partner GbR, Oldenburg

Ausbau d. Zufahrt z. Seehafen Rostock, Beweissicherung 1996, 1998/99 + 1999/2000

Anlage 3.3: Messkampagne III (1999/2000)

(9 Seiten)



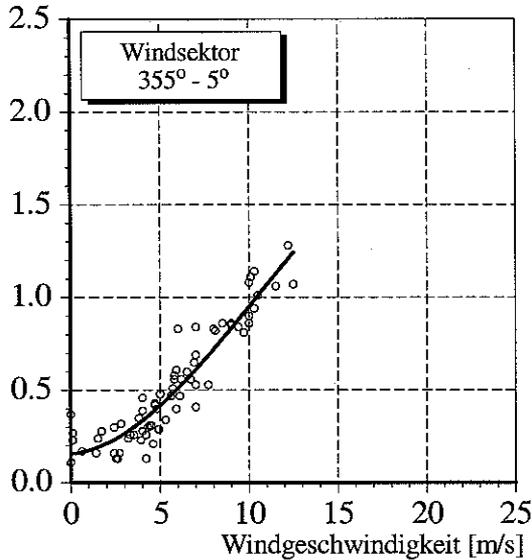
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Wind-/Wellenkorrelation -

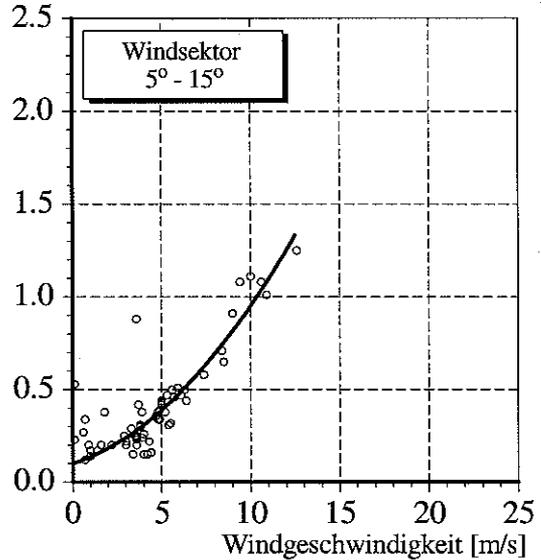
Wind (DWD) - H_{m0} (Station Alpha)

02. - 03. 1999 +
10. 1999 - 04. 2000

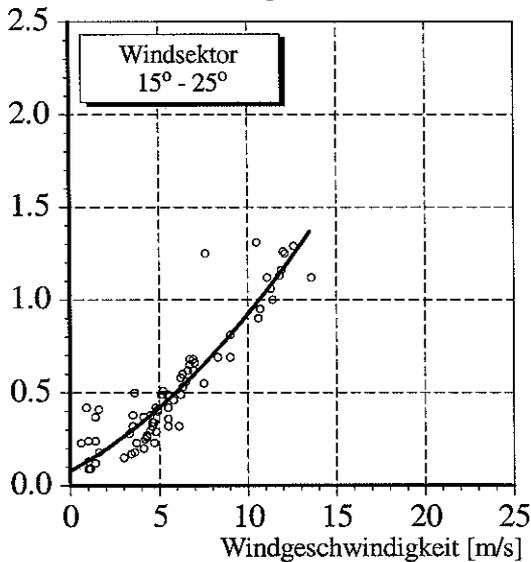
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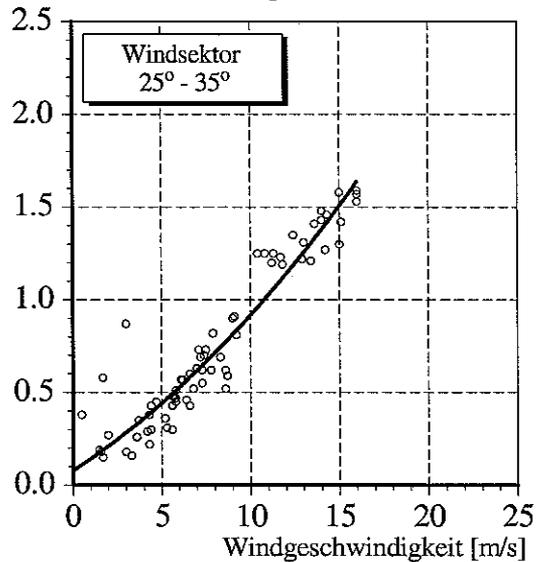
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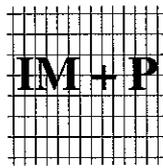


Wellenhöhe Station Alpha [m]



Wellenhöhe Station Alpha [m]



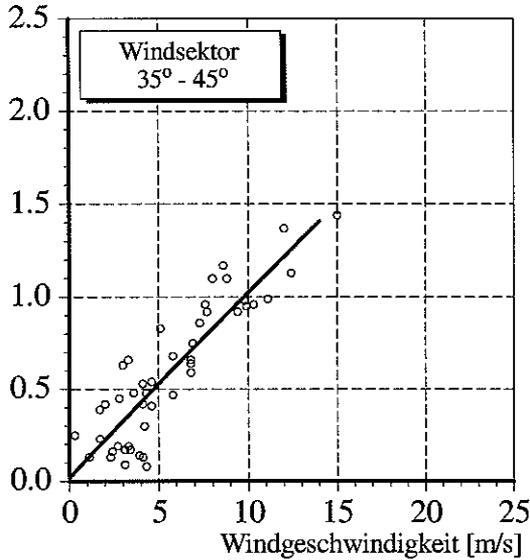


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Wind-/Wellenkorrelation -

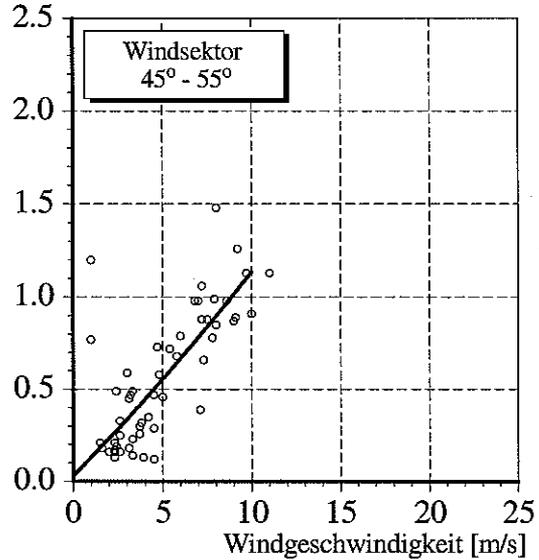
Wind (DWD) - H_{m0} (Station Alpha)

02. - 03. 1999 +
10. 1999 - 04. 2000

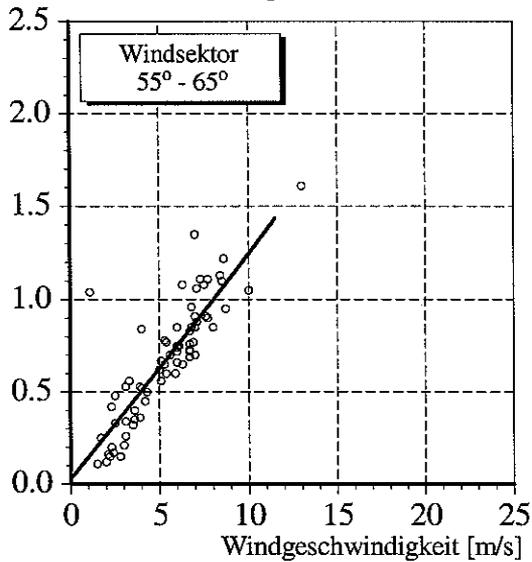
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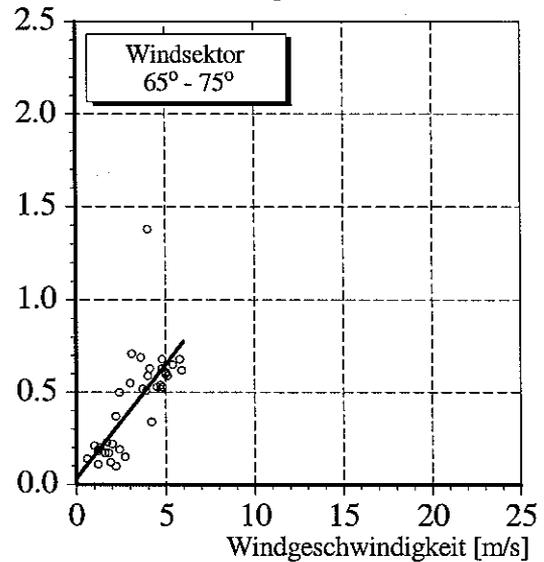
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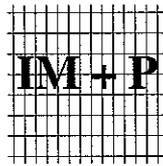


Wellenhöhe Station Alpha [m]



Wellenhöhe Station Alpha [m]





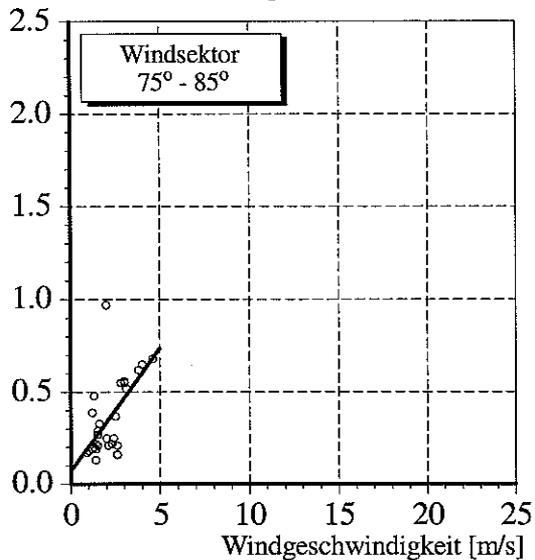
ZUFAHRT ZUM SEEHAFEN ROSTOCK

- Beweissicherung: Wind-/Wellenkorrelation -

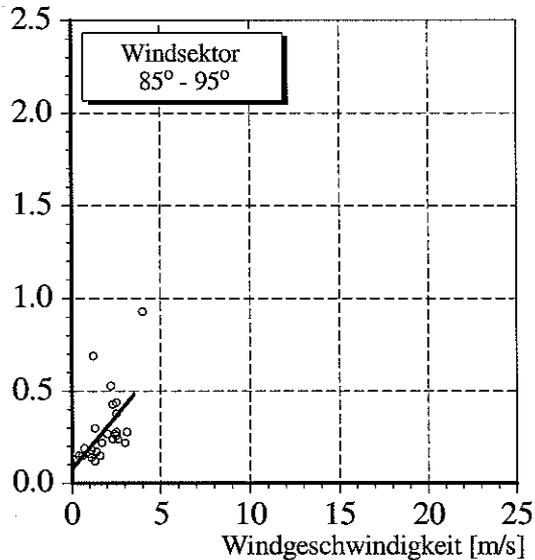
Wind (DWD) - H_{m0} (Station Alpha)

02. - 03. 1999 +
10. 1999 - 04. 2000

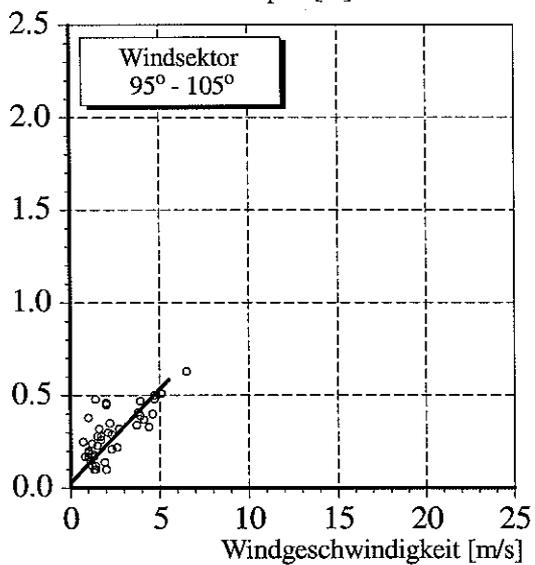
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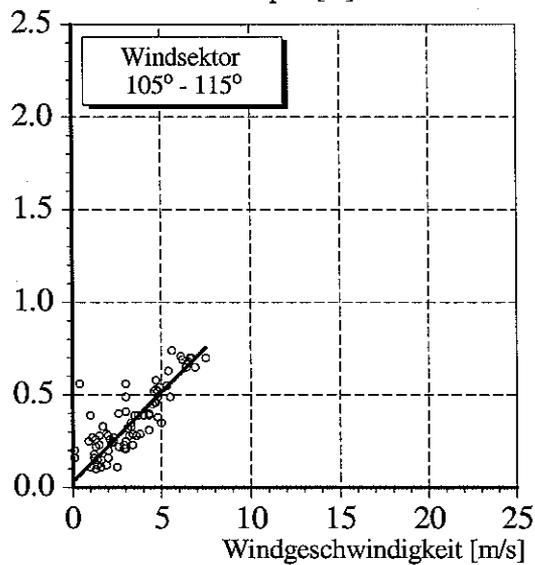
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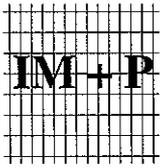


Wellenhöhe Station Alpha [m]



Wellenhöhe Station Alpha [m]



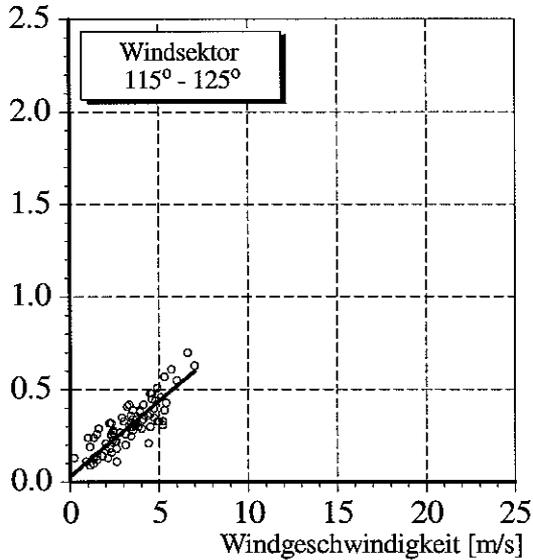


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Wind-/Wellenkorrelation -

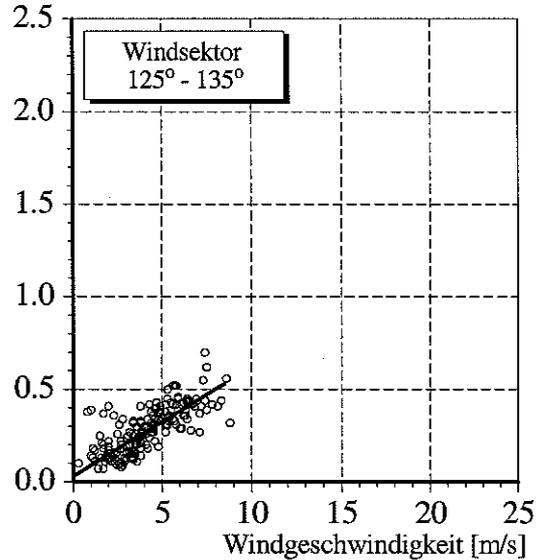
Wind (DWD) - H_{m0} (Station Alpha)

02. - 03. 1999 +
10. 1999 - 04. 2000

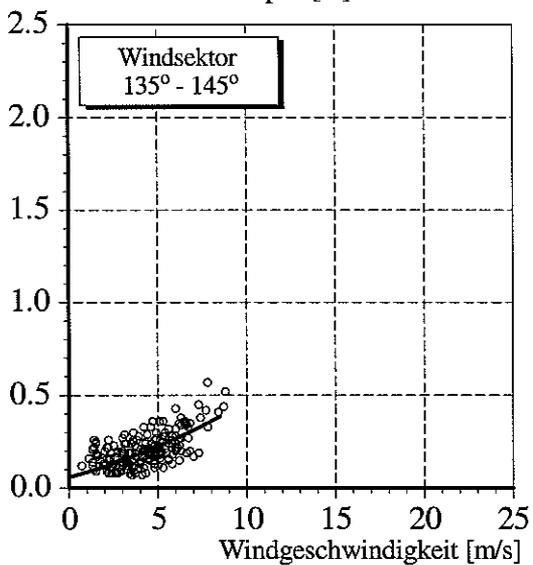
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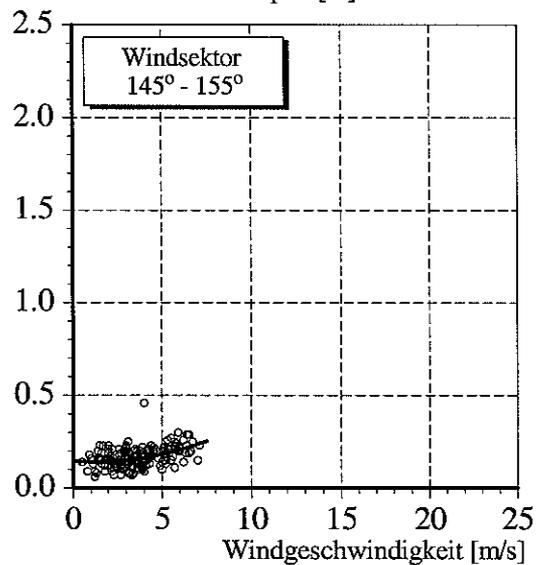
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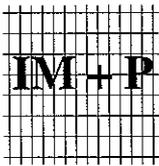


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Wellenhöhe Station Alpha [m]



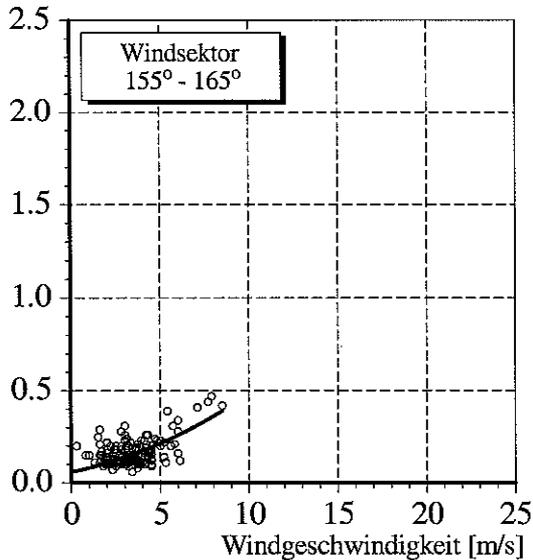


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Wind-/Wellenkorrelation -

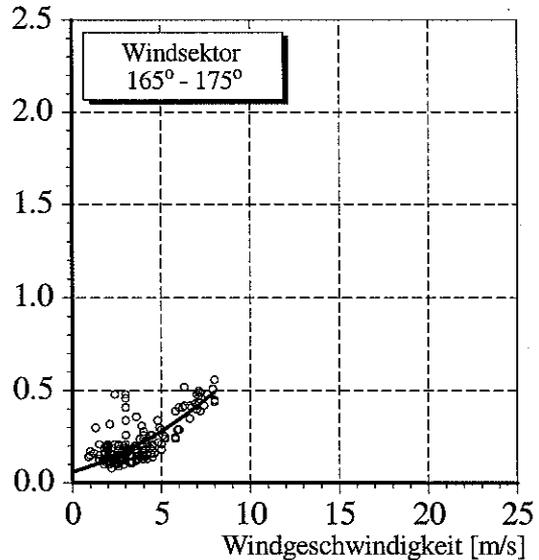
Wind (DWD) - H_{m0} (Station Alpha)

02. - 03. 1999 +
10. 1999 - 04. 2000

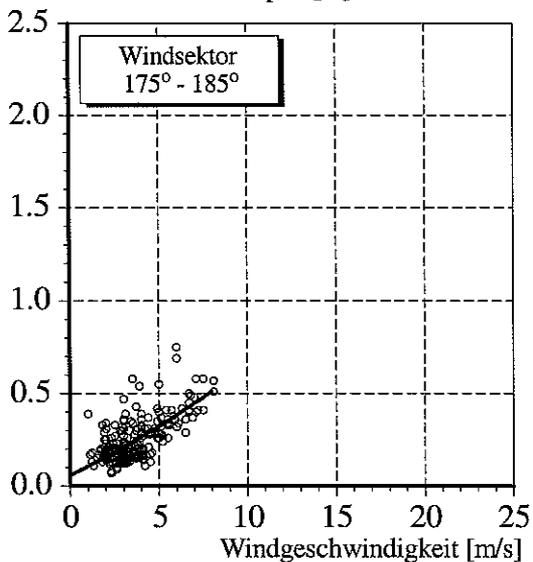
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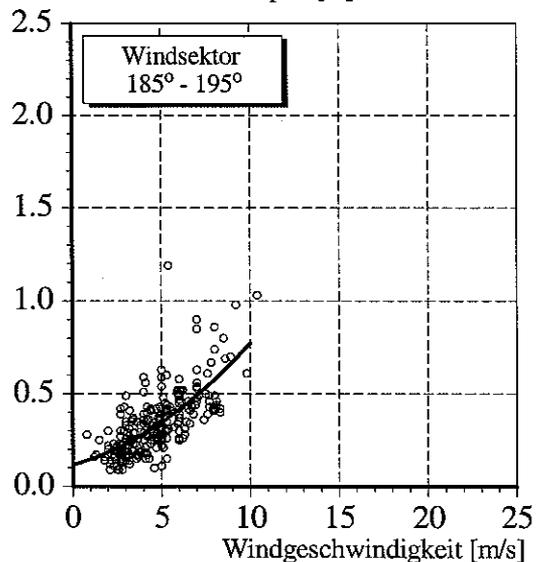
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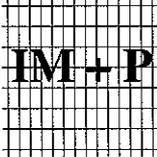


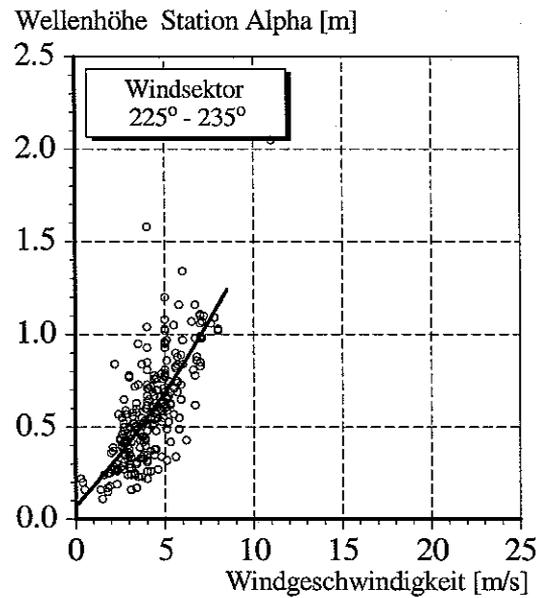
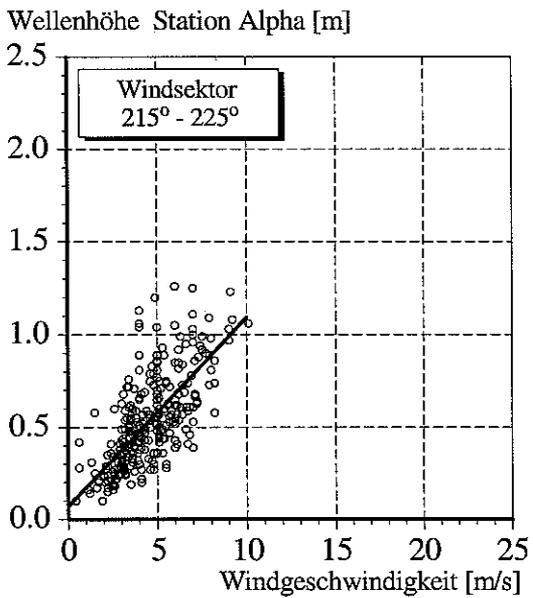
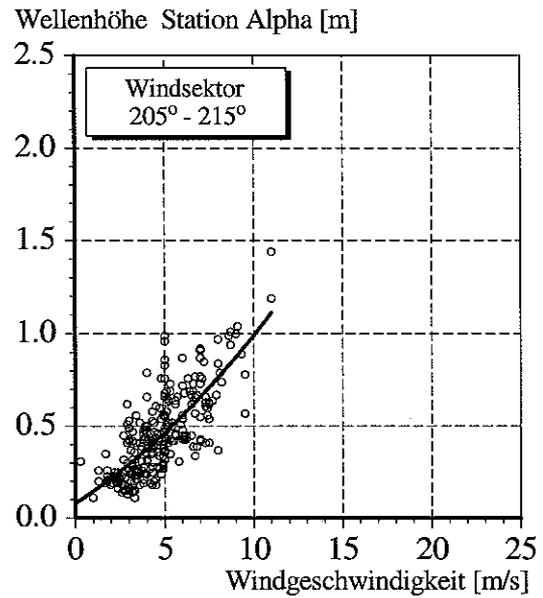
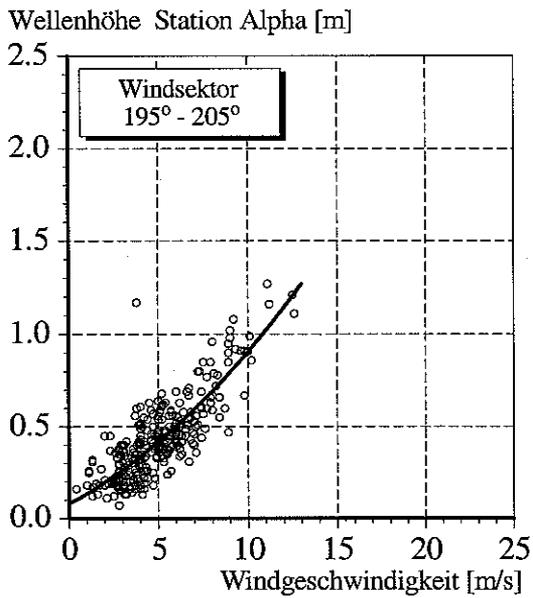
Wellenhöhe Station Alpha [m]

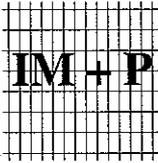


Wellenhöhe Station Alpha [m]



	ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Wind-/Wellenkorrelation -	
	Wind (DWD) - H_{m0} (Station Alpha)	02. - 03. 1999 + 10. 1999 - 04. 2000



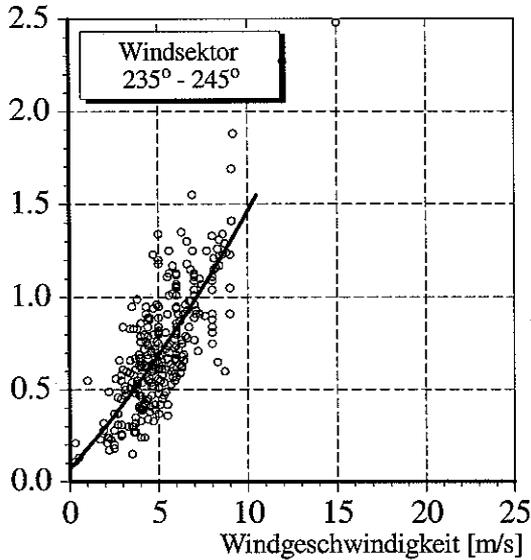


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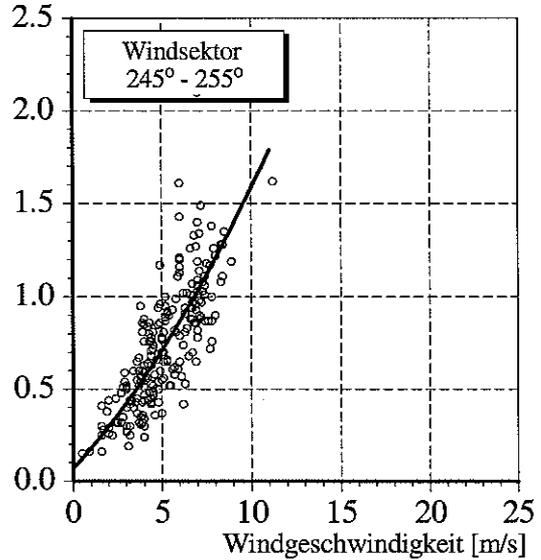
Wind (DWD) - H_{m0} (Station Alpha)

02. - 03. 1999 +
10. 1999 - 04. 2000

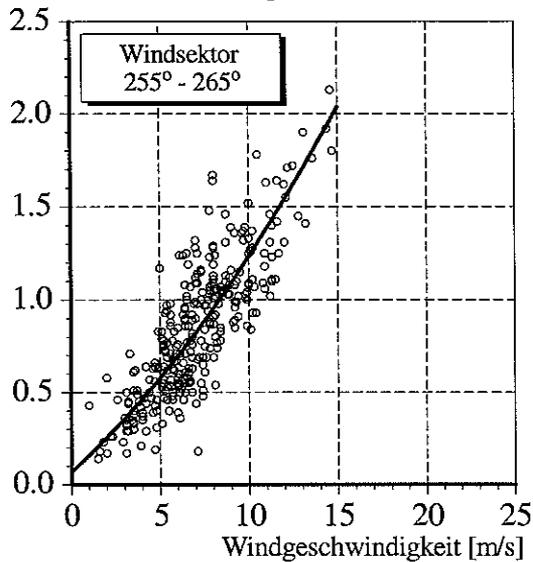
Wellenhöhe Station Alpha [m]



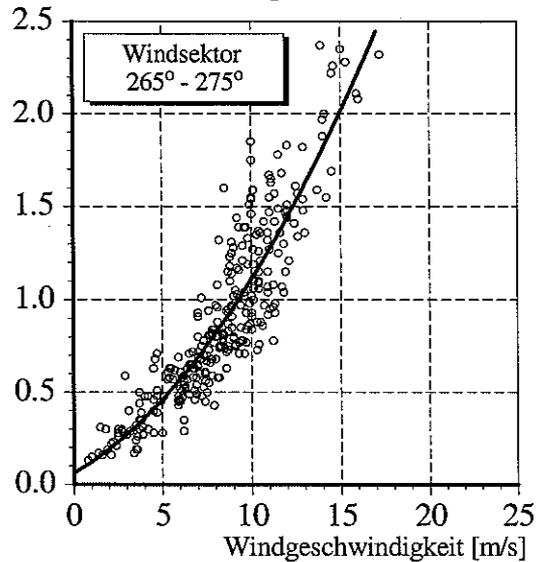
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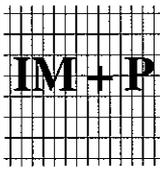


Wellenhöhe Station Alpha [m]



Wellenhöhe Station Alpha [m]

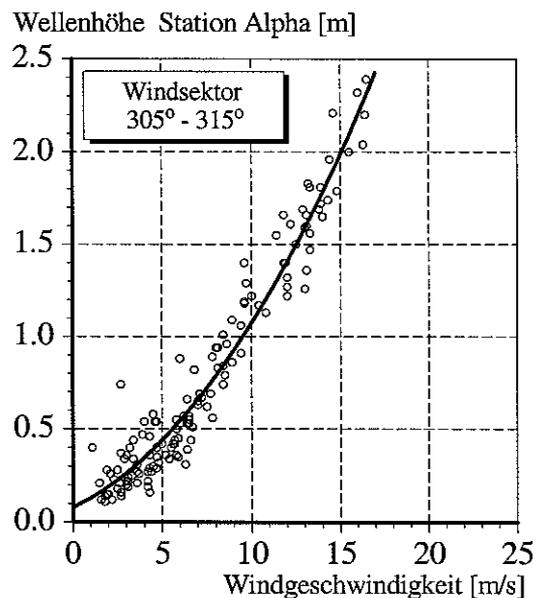
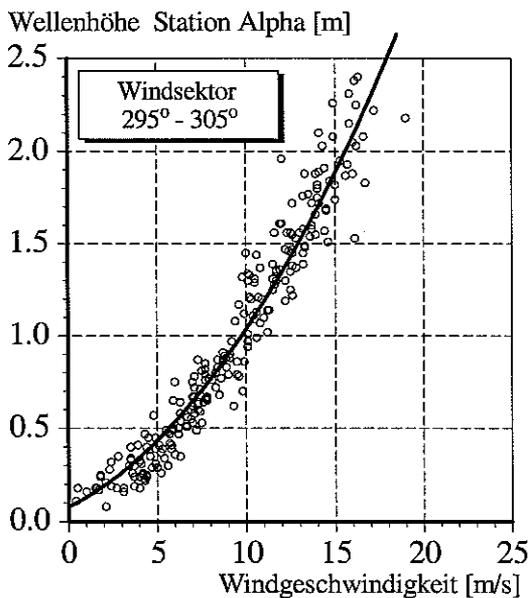
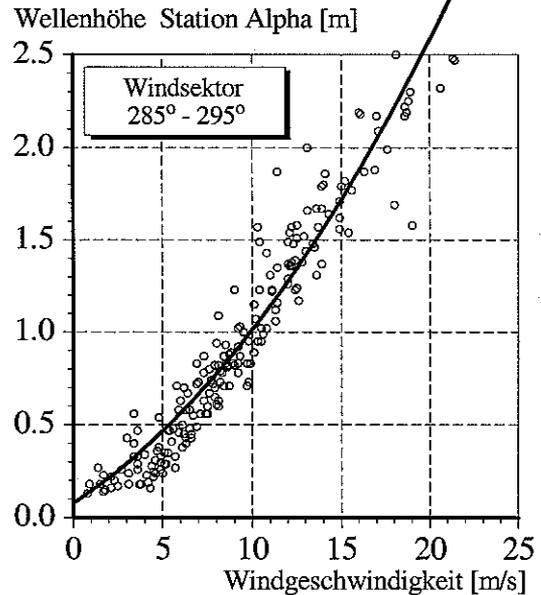
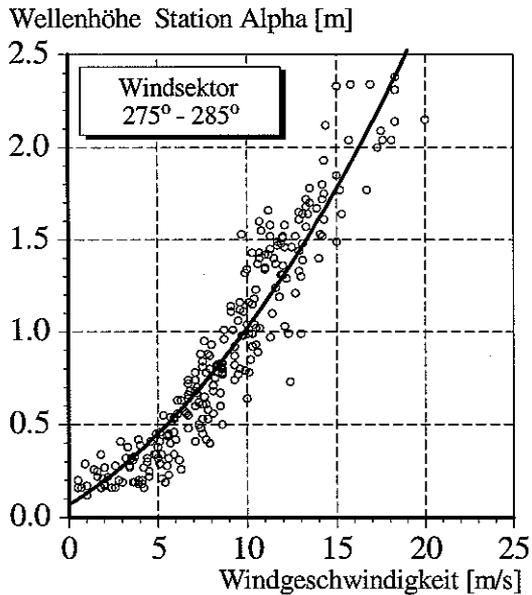


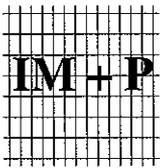


ZUFAHRT ZUM SEEHAFEN ROSTOCK - Beweissicherung: Wind-/Wellenkorrelation -

Wind (DWD) - H_{m0} (Station Alpha)

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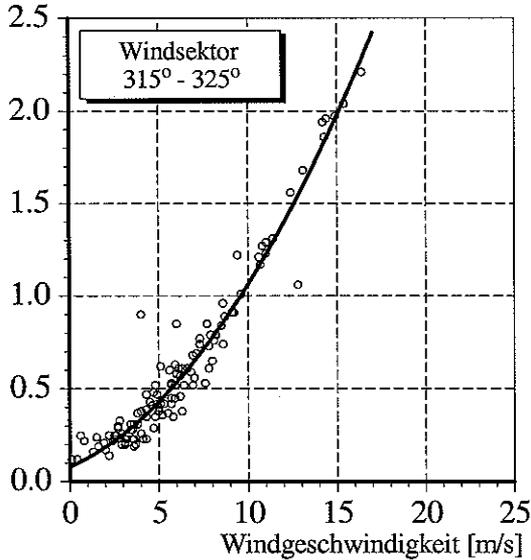


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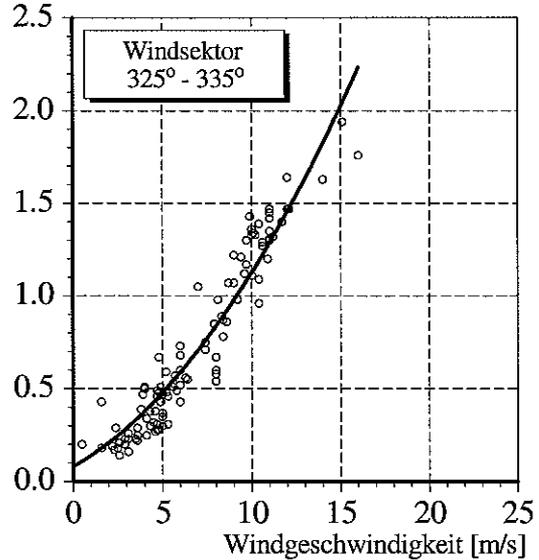
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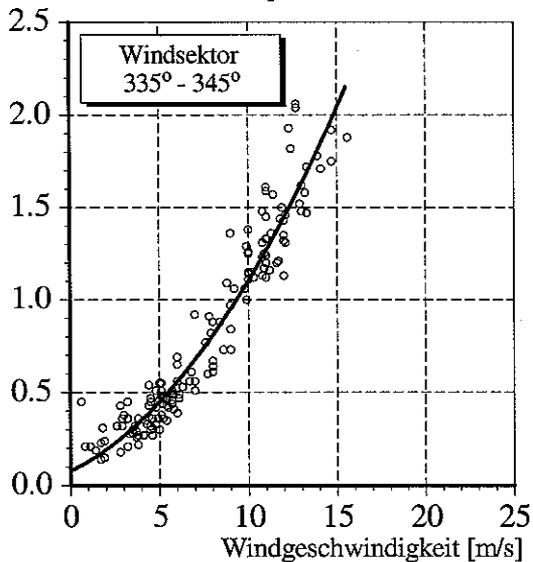
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