

19980924H1-LPS

On-Board Lead Project Scientist Check List

Date 9/24/98 Aircraft NOAA42 Flight ID 980924H1
Hurricane Georges Reconnaissance

A. Participants:

HRD		AOC	
Function	Participant	Function	Participant
Lead Project Scientist	<u>M. Black</u>	Flight Director	<u>Stan Cayak</u>
Cloud Physics		Pilots	<u>Phillipsborn, Tiggart</u>
Radar	<u>M. Black</u>	Navigator	
Workstation	<u>Paul Leighton</u>	Systems Engineer	<u>Rock</u>
Photographer/Observer	<u>Paul Hungerford</u>	Data Technician	
Omegasonde	<u>GPS M. Black</u>	Electronics Technician	
AXBT/AXCP/Guest		Other	

Take-Off: 075946 Location: Opa-locks
 Landing: 1634 Location: Tampa International Number of Eye Penetrations: ?
 27.98 82.53

B. Past and Forecast Storm Locations:

Date/Time	Latitude	Longitude	MSLP	Maximum Wind
<u>24/06Z</u>	<u>20.67</u>	<u>76.8</u>	<u>992</u>	<u>65 kts</u>
<u>24/18Z</u>	<u>22.0</u>	<u>78.8</u>		
<u>25/06</u>	<u>23.5</u>	<u>80</u>		
<u>25/18</u>	<u>25.5</u>	<u>82</u>		
<u>26/18</u>	<u>28.0</u>	<u>84.0</u>		

C. Mission Briefing:

Reconnaissance over east-central
Cuba. Storm maybe near north shore at
end of flight

D. Equipment Status (Up, Down, Not Available, Not Used)

Equipment	Pre-Flight	In-Flight	Post-Flight
Aircraft	✓		
Radar/LF	✓		
Radar/TA (Doppler)			
Cloud Physics			
Data System	✓		
Omegasondes	✓		
AXBT/AXCP	—		
Workstation	✓		
Videography	✓		

REMARKS:

6000

E (I) Proposed Flight Pattern (sketch or designate by number)

E (II) Actual Flight Pattern

Lead Project Scientist Event Log

Date 980924 Flight 980924H1 LPS M. Black

Hurricane Georges Recco.

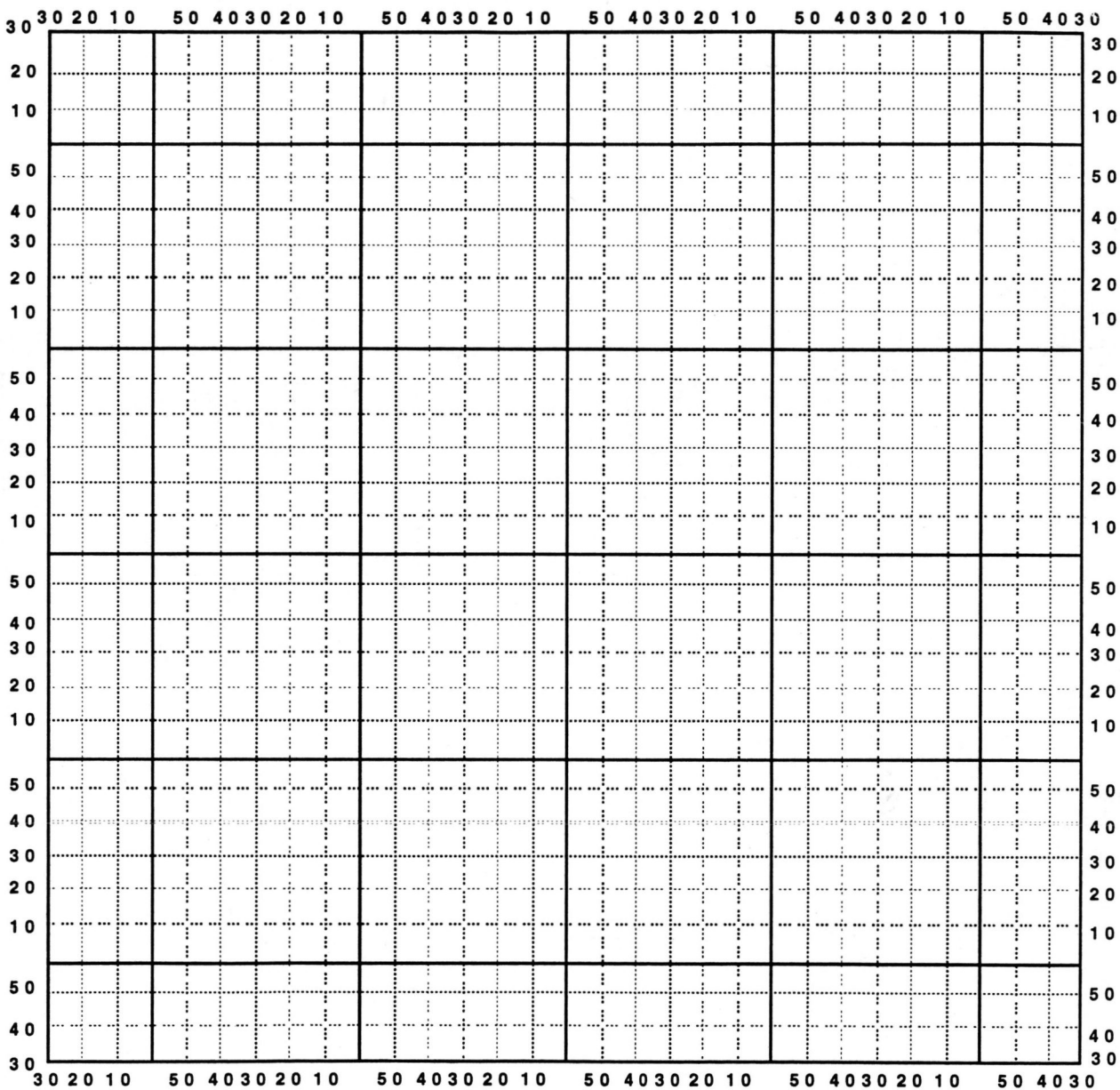
Time	Event	Position	Comments
075946	Take off	Opn. locks	
0840	outer rainband near Andros		
0900	cells popping up near our R/1/1 level		
0902	Descending to 5 Kft		
0922	at Cuban Coast 58 Kts		
0929	near center	21°06' 76°45'	10 miles inland from us
0947	65-70 kts - east of center	~80 miles out	
0952	70-75 kts	~85 miles east of center	
0959	095941	Drop 1 - 60 Kts	
1021	Turn back to NW along coast		
1045	Drop 2 near wind max	-70 kts / 50 kts SFC	
1047	wind max 80 kts		
1056	Heading in land Cuba to mark center		
1059	Center Fix overland	21°05' 76°58'	
1128	approaching linear, scalloped rainband	400 miles north of center	
113043	Drop inside edge of convective line		
1132	turn to west along band		
1139	turn to SE thru band to center		
1145	Thru band		
120840	Eye	21°15' 77°5' ~990 mb	

S
 wind max
 D
 D
 9895
 turn →
 to
 north
 D
 S

Hurricane Recco Plotting Chart

True at 25° Latitude, in Degrees and Minutes

Date _____ Flight ID _____ LPS _____



Note : Label full degrees according to location of the flight area.

(2)

Lead Project Scientist Event Log

Date 9/24/98

Flight 980924H1

LPS M. Black

Georges Recco

Time	Event	Position	Comments
~1240	turn back to eye		
1318	eye 2124' 7715' right on coast	991	78 AAL
1320	Hdg NE outboard leg		
134716	Drop 105 mve of eye		~40-50 kts
1401	turn to SW to eye		
141240	ENE of eye 50 kts winds		NO winds
1435	eye just inland	2132' 7720'	990 mb
1438	circling in eye		
1445	hdg NW back to FL		

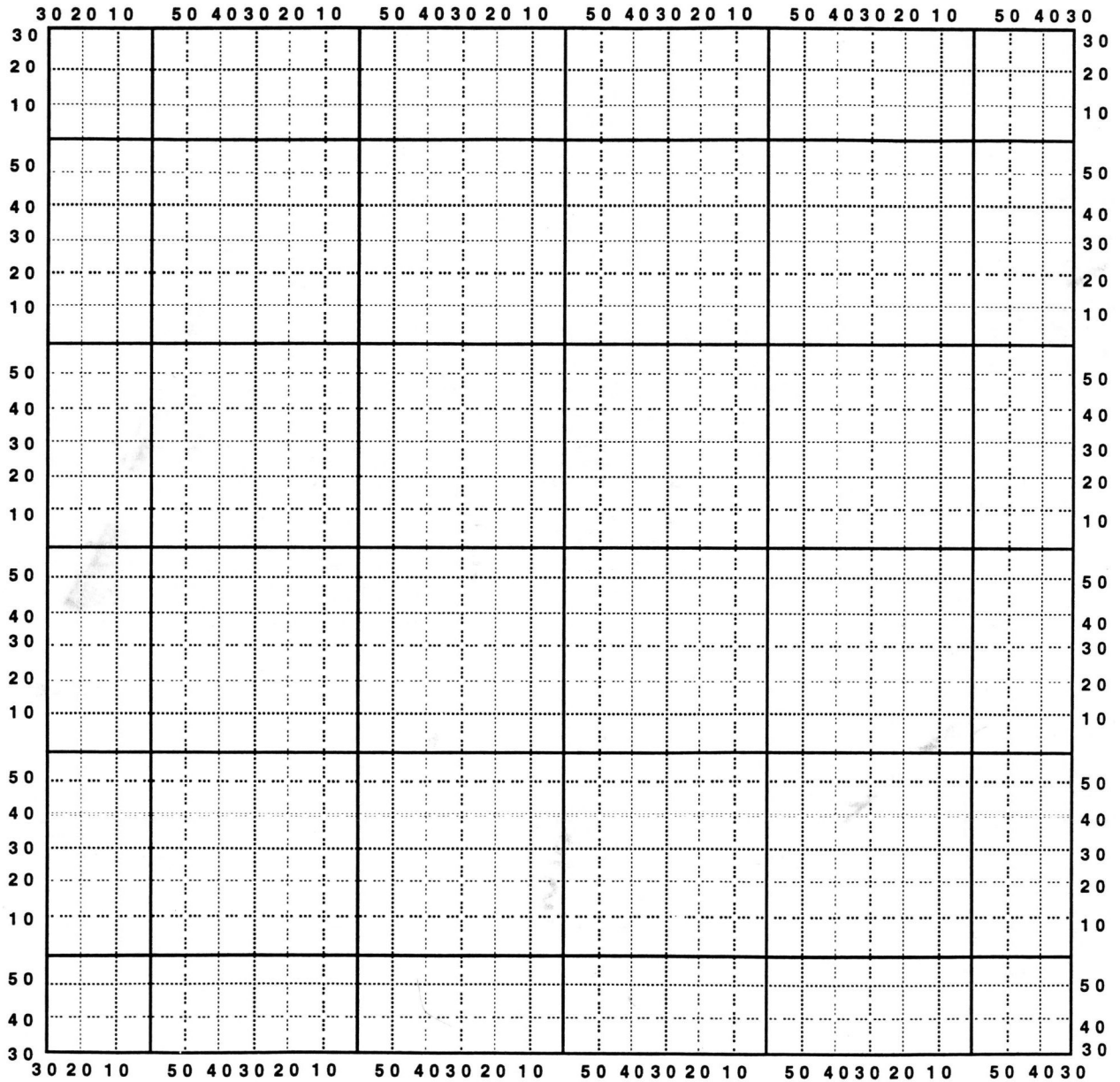
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D
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S eye

First
Pass

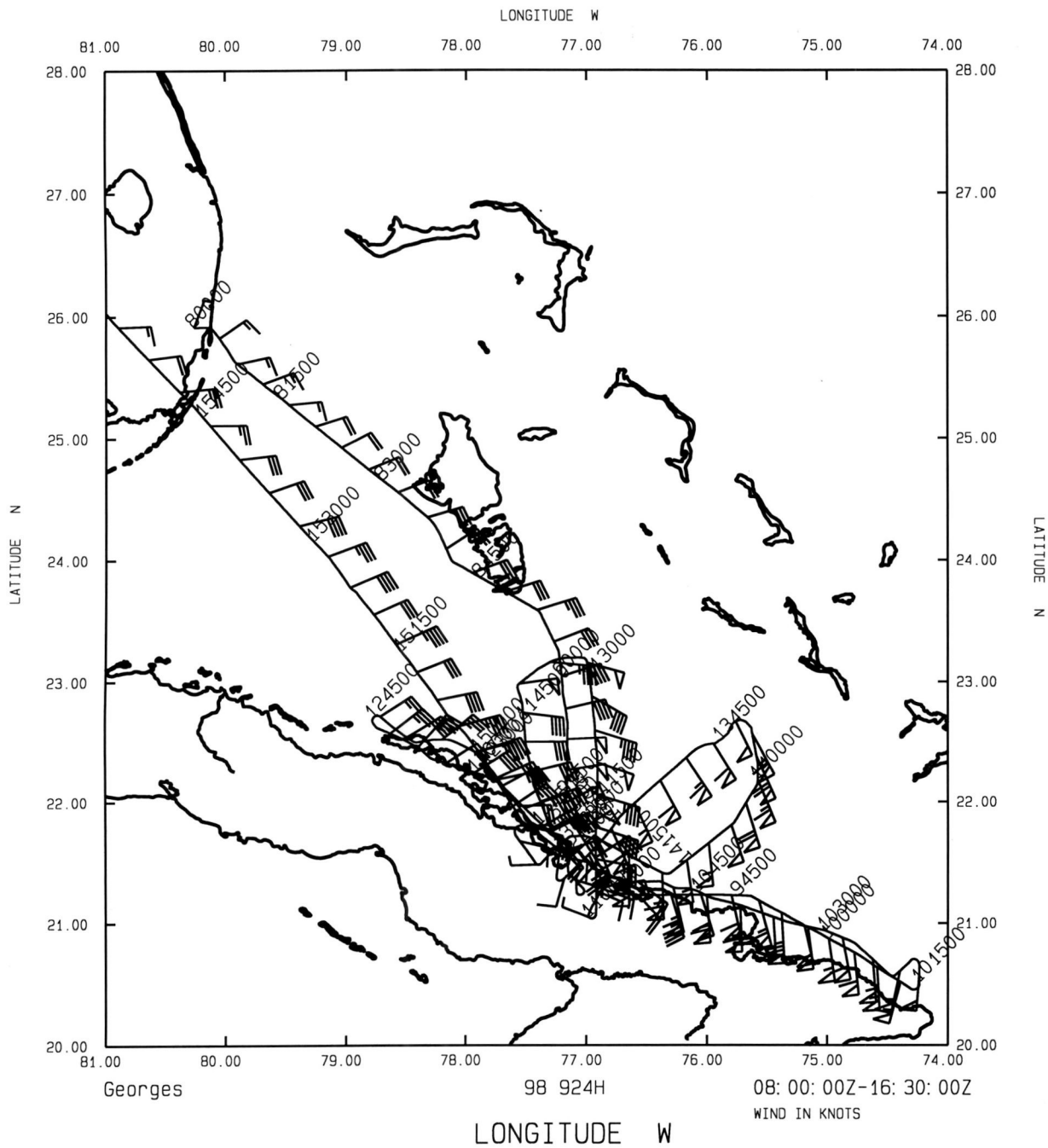
Hurricane Recco Plotting Chart

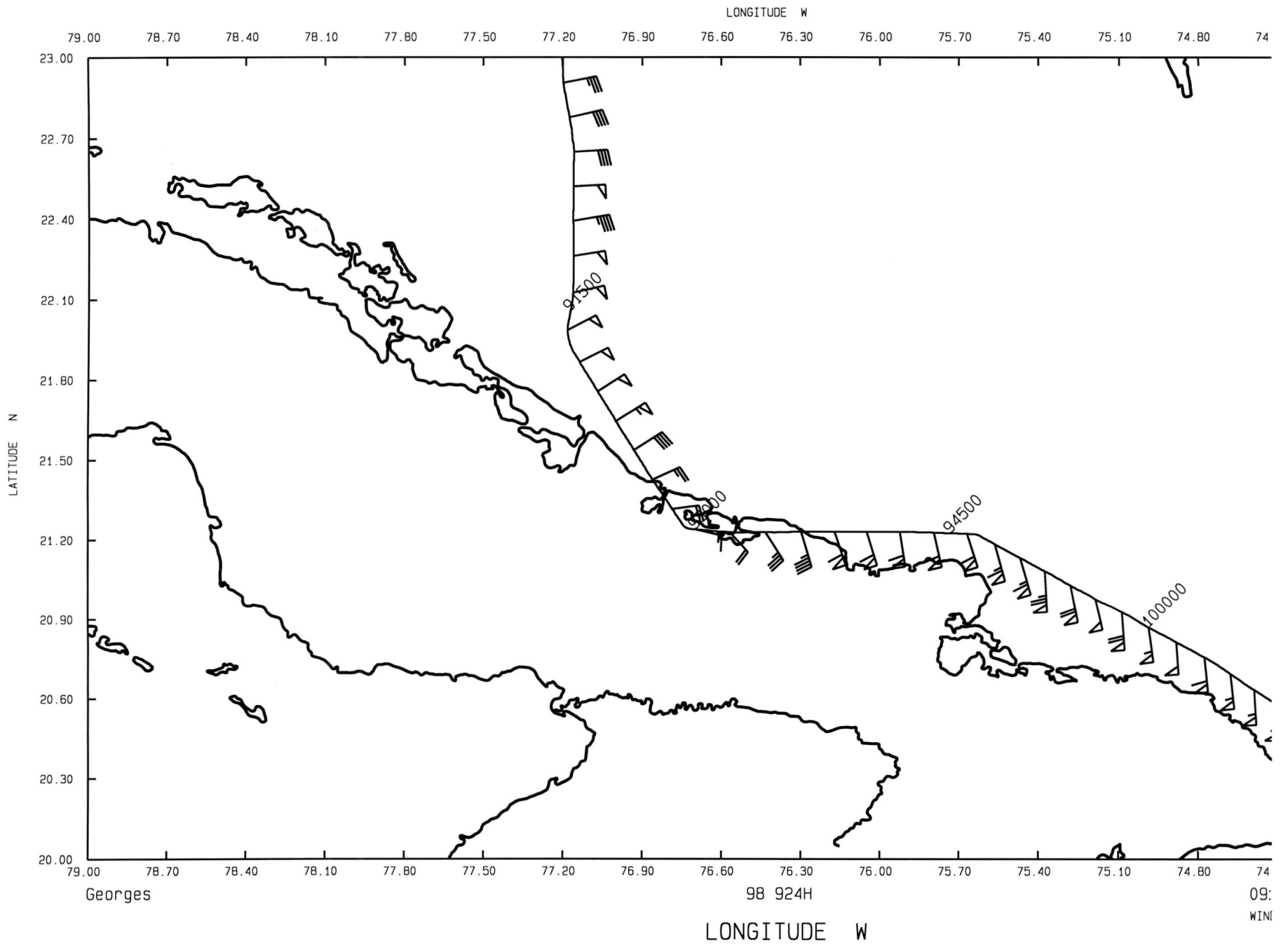
True at 25° Latitude, in Degrees and Minutes

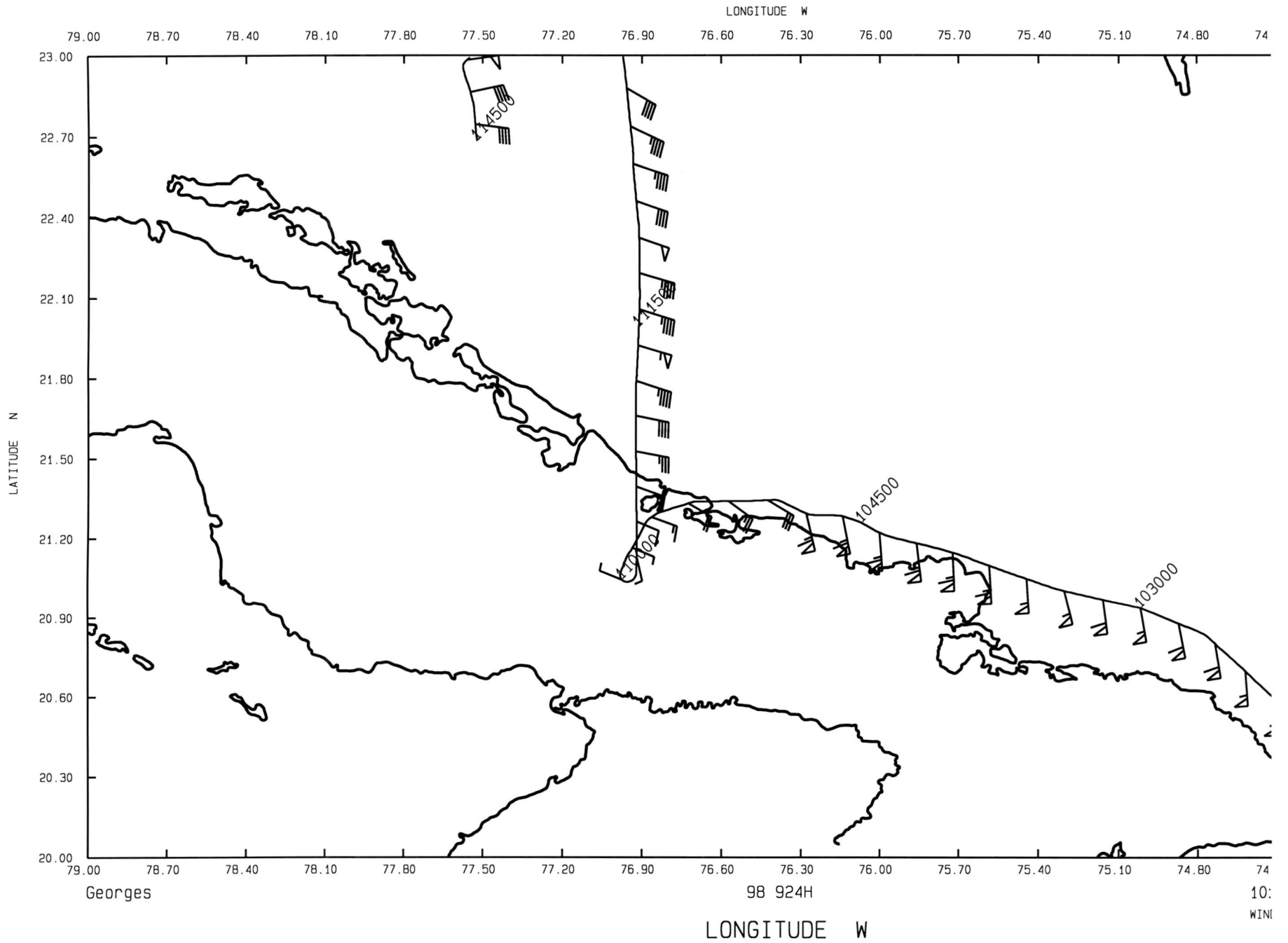
Date _____ Flight ID _____ LPS _____

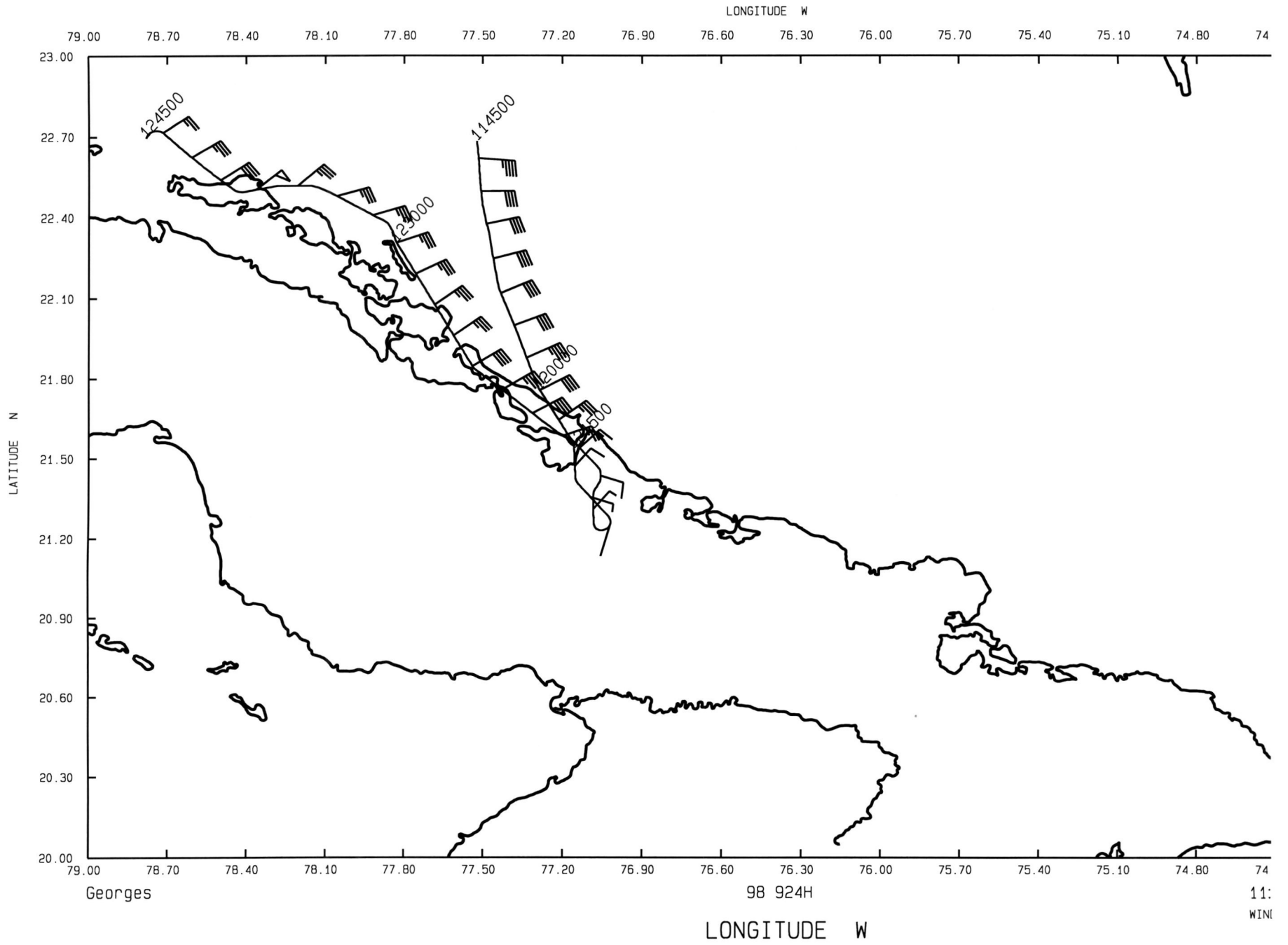


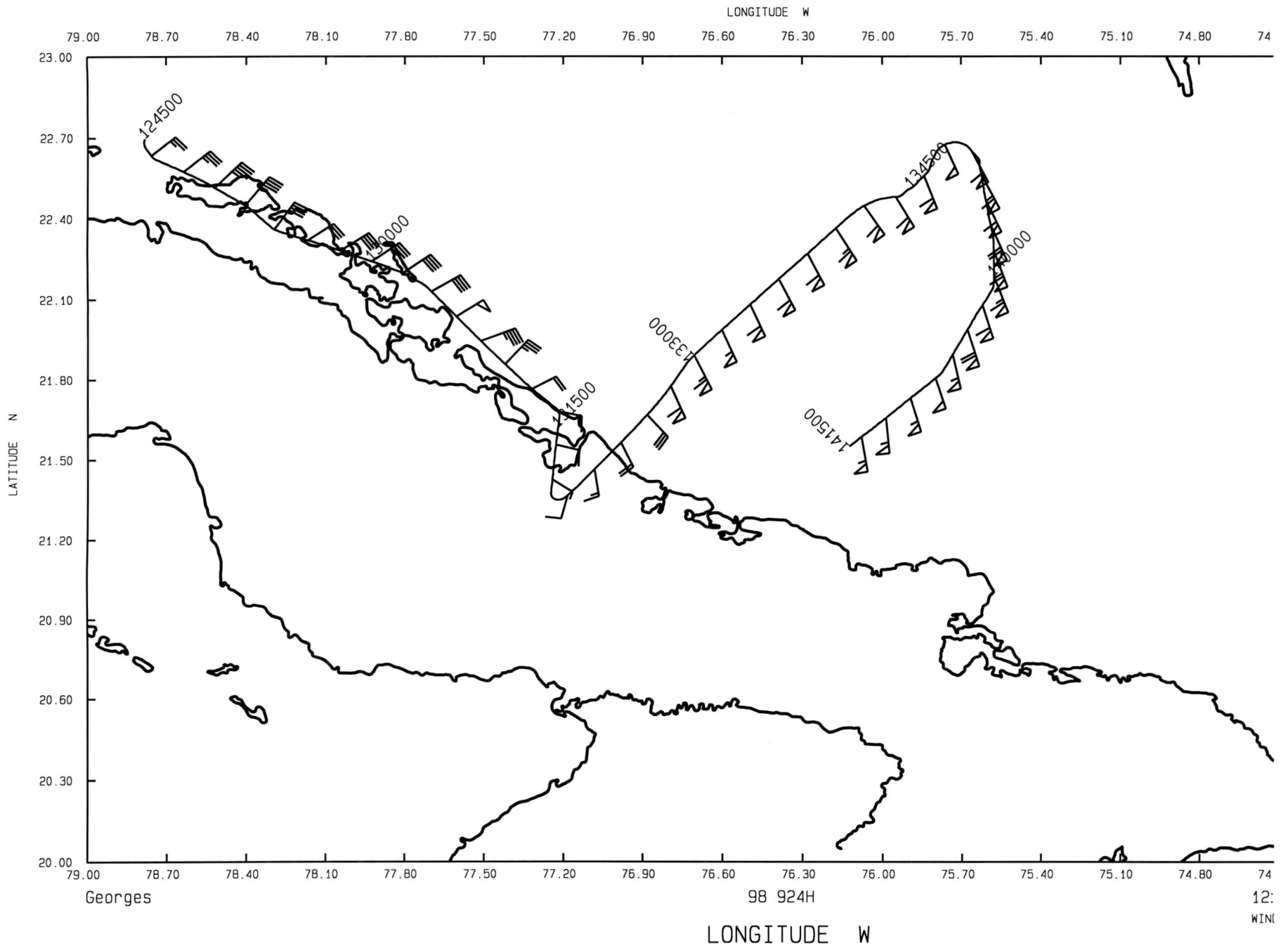
Note : Label full degrees according to location of the flight area.

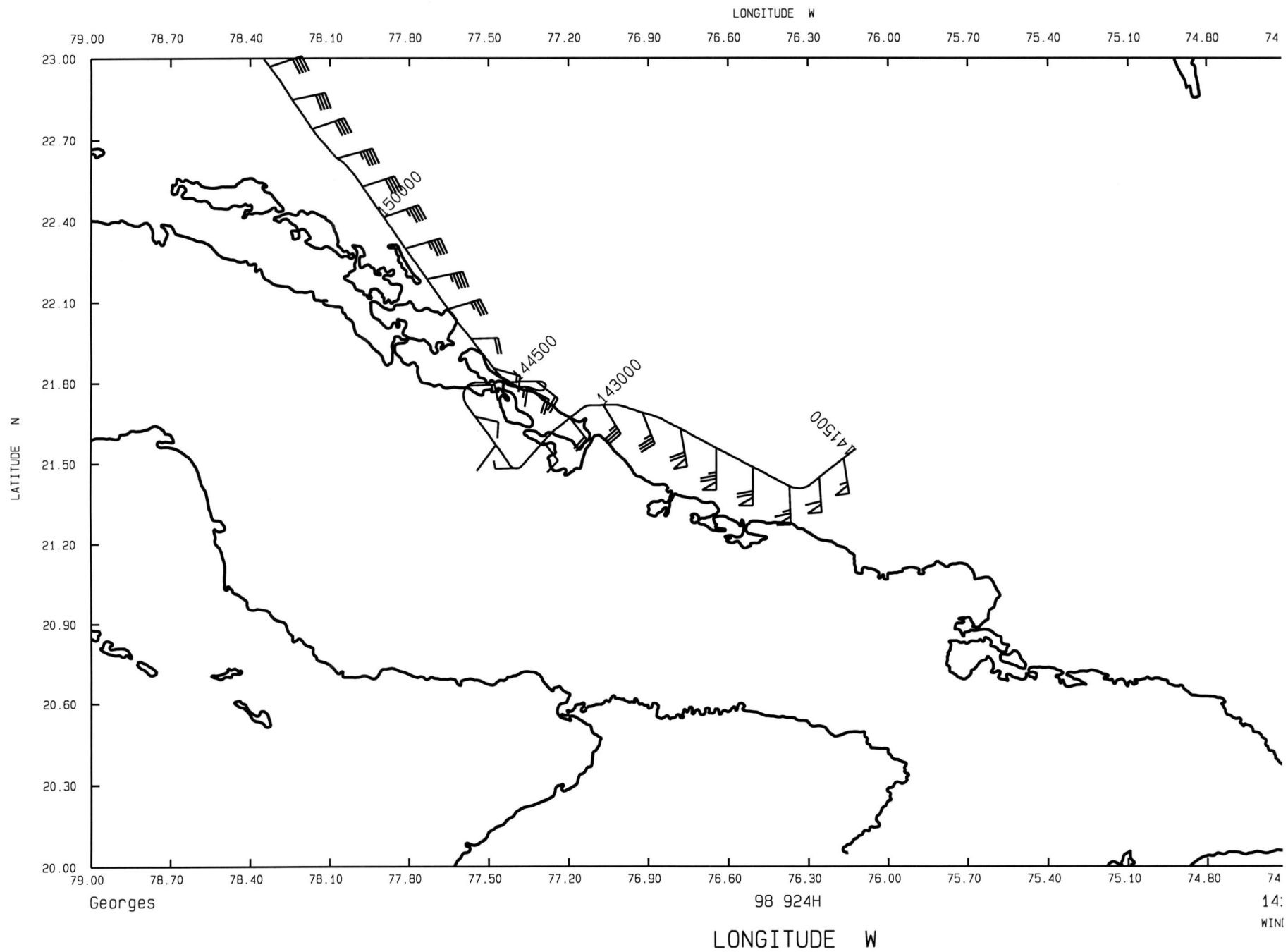


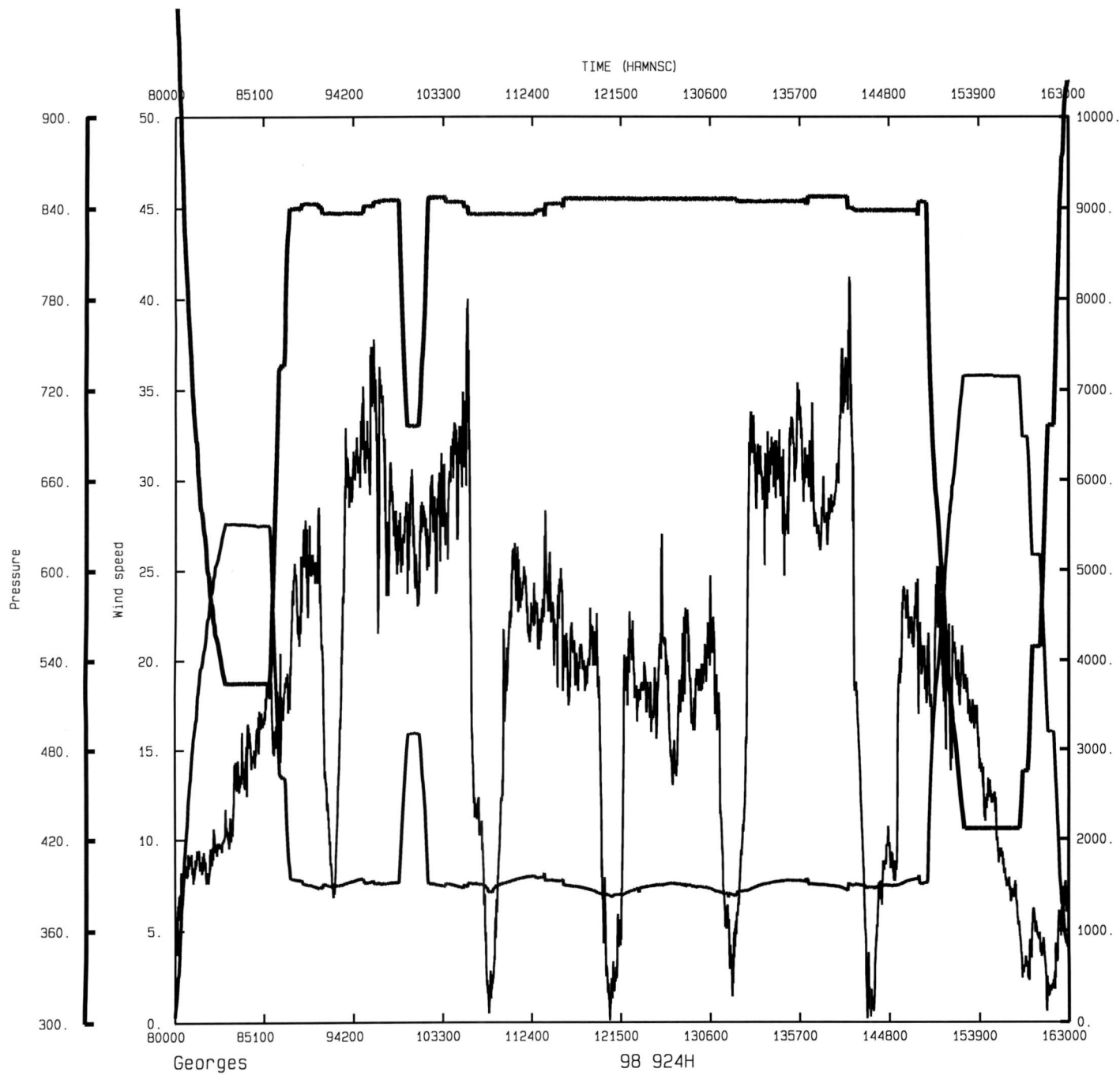








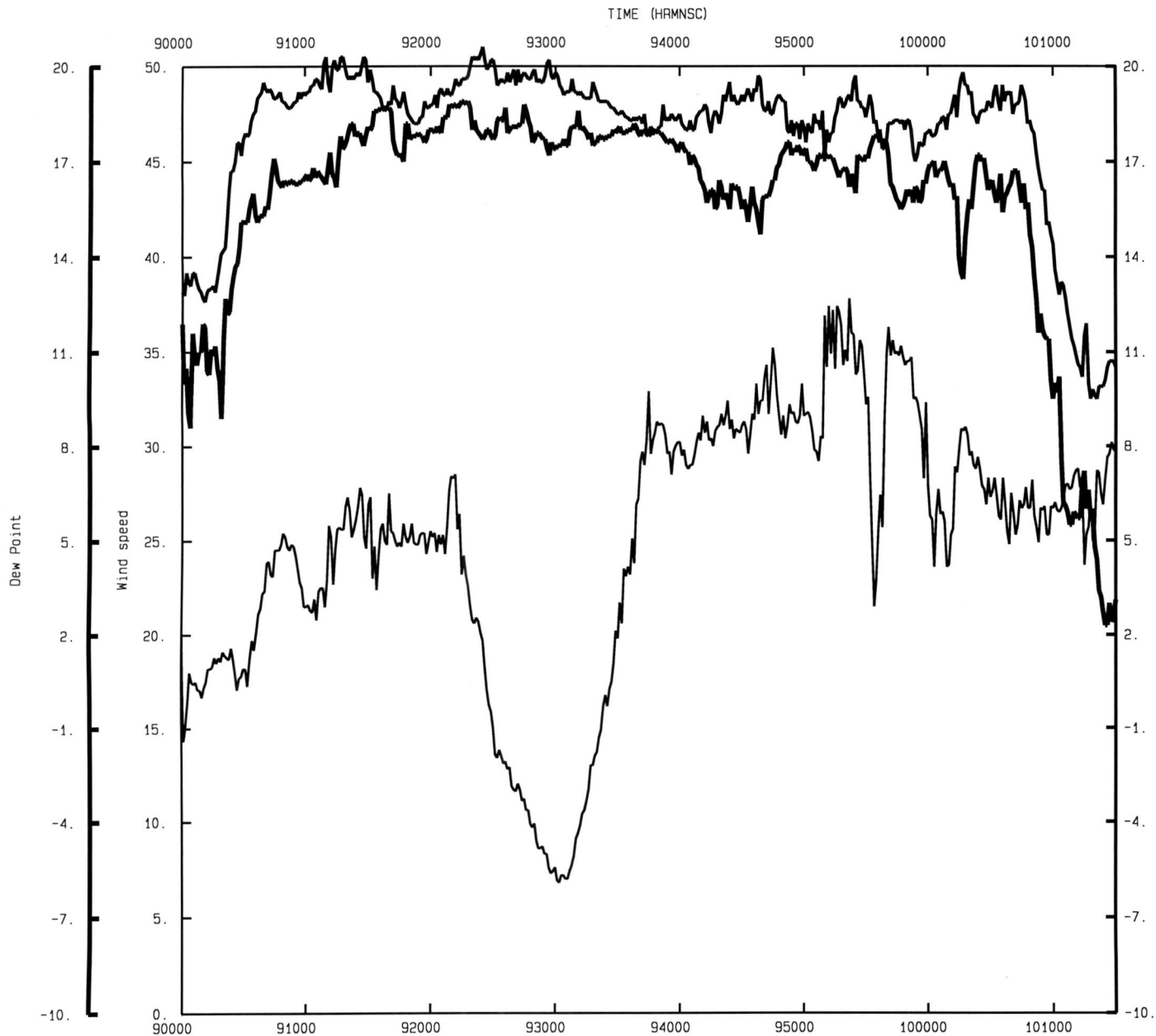




TIME (HRMNSC)



NOAA/HRD



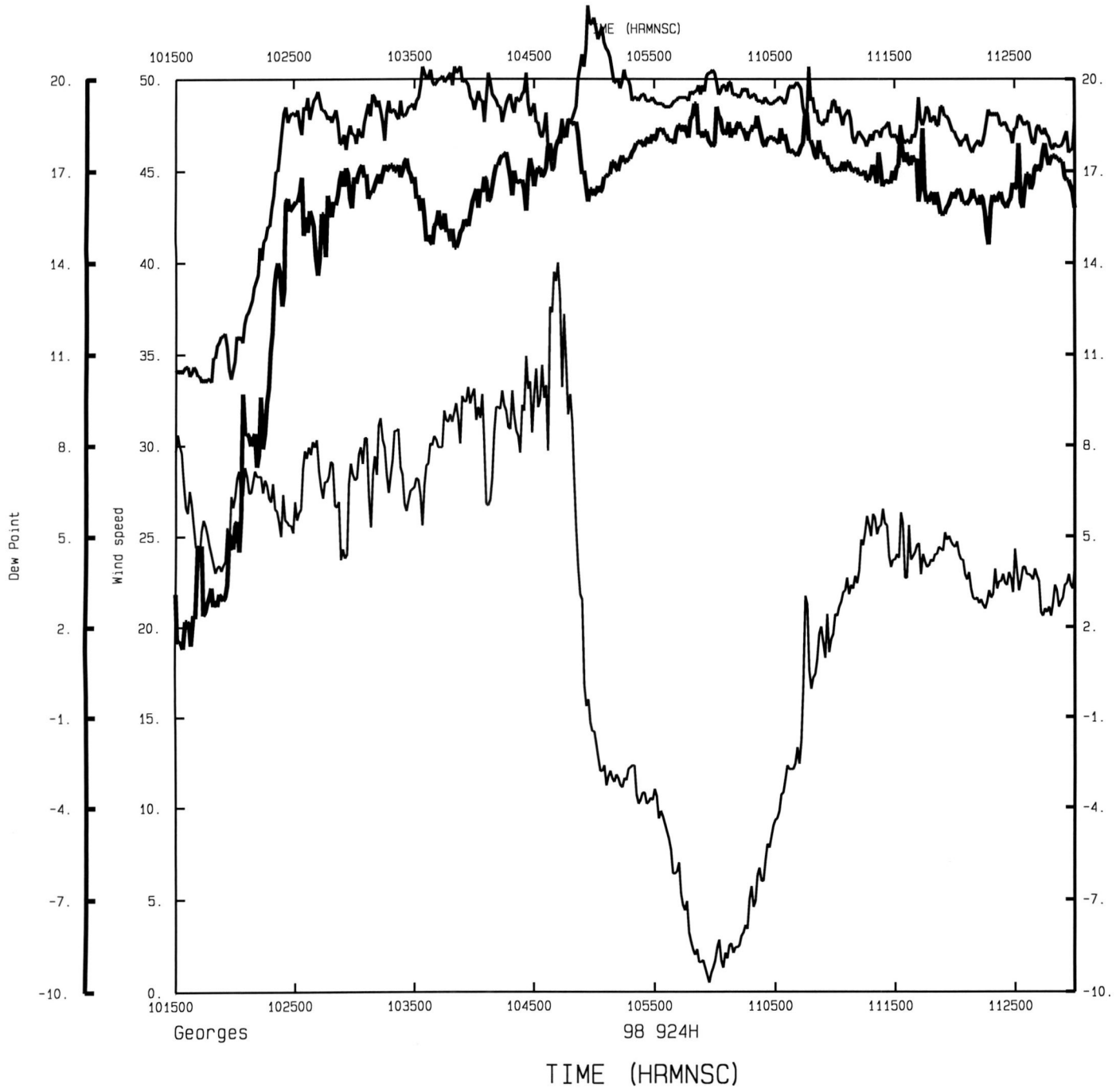
Georges

98 924H

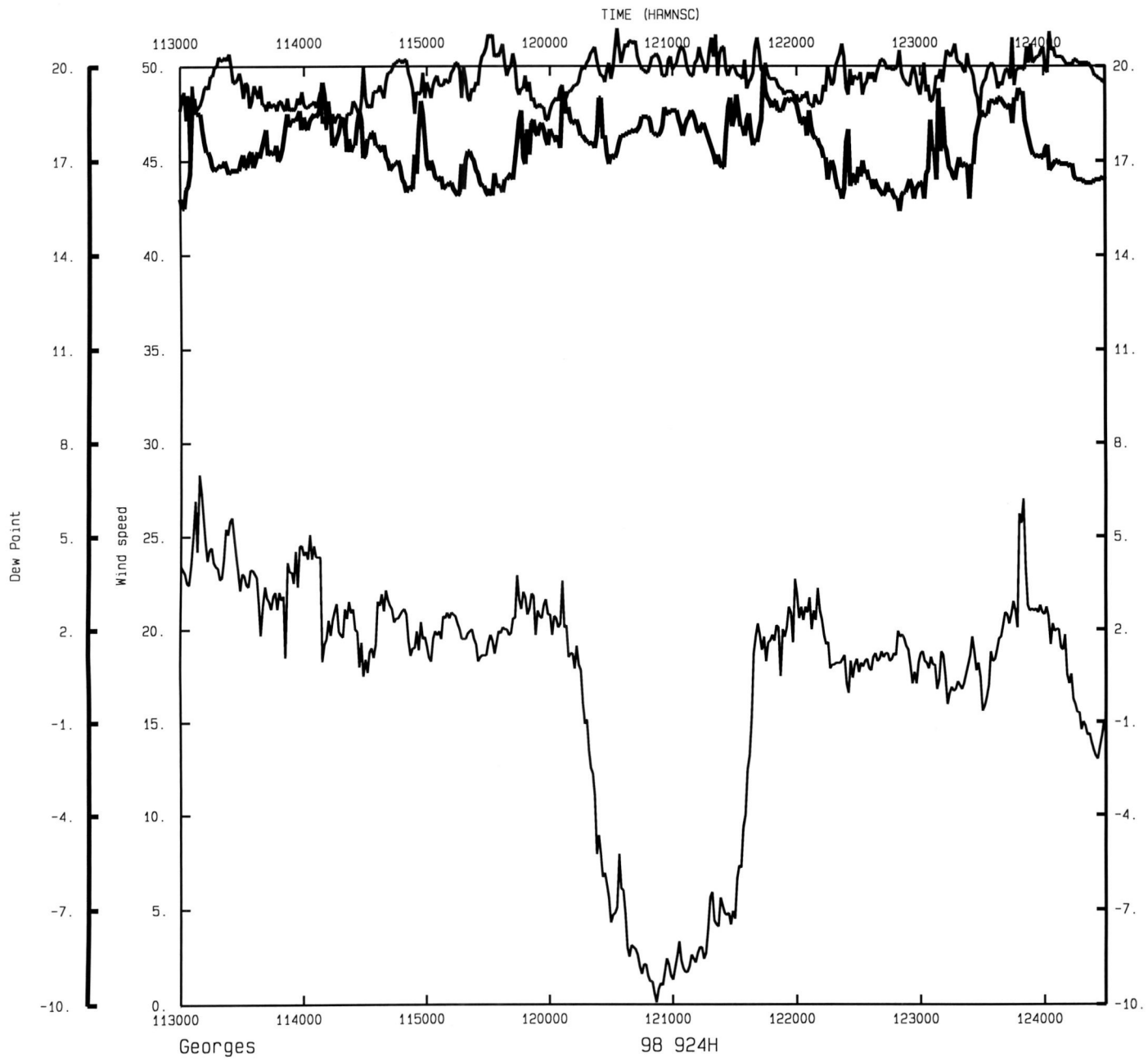
TIME (HRMNSC)



NOAA/HRD



NOAA/HRD



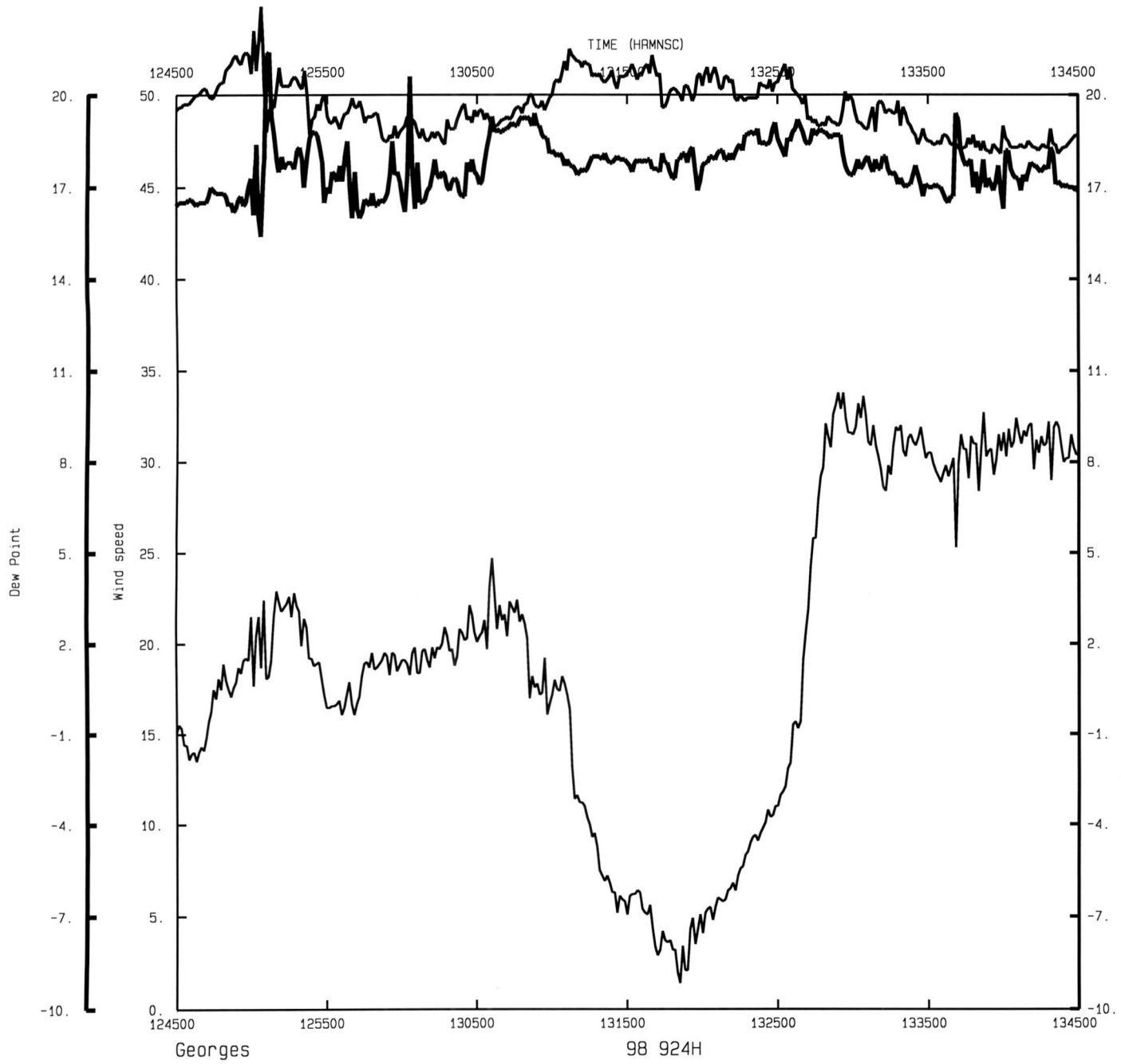
Georges

98 924H

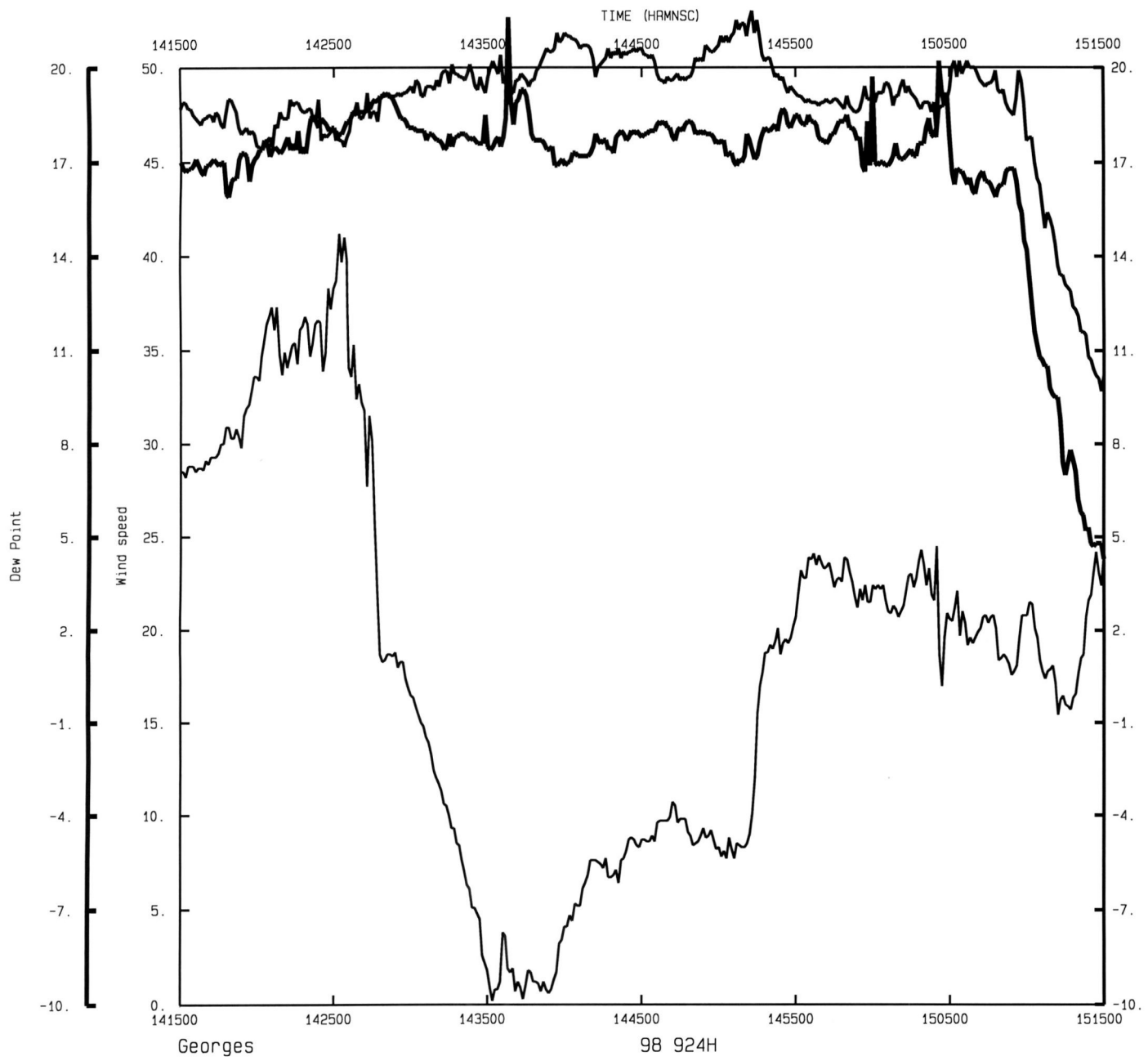
TIME (HRMNSC)



NOAA/HRD



NOAA/HRD



Georges

98 924H

TIME (HRMNSC)



NOAA/HRD