

1985 SEASON

1985 SEASON

FLIGHT ID	RADAR	DOPLR	PMS	VTC	OAD	STD	FILMS	
850724H	4	0	0	1	1		R	H BOB
850813I	0	0	0	0	1		NONE	CALIBRATION
850814I	3	0	4	2	1		70mm	TS DANNY
850815H	10	7	20	0	1		NONE	TS DANNY
850815I	2	0	0	1	1		NONE	TS DANNY
850828I	10	0	3	2	1		NONE	TS ELENA
850829I	12	8	14	2	1		RL70mm	H ELENA
850829H	10	0	18	0	1		RLN	H ELENA
850830I	11	7	15	2	1		NONE	H ELENA
850831I1	13	6	22	0	1		NONE	H ELENA
850831H	20	0	24	0	1		RL	H ELENA
850831I2	19	20	0	2	1		RL	H ELENA
850901H	12	0	0	0	1		NONE	H ELENA
850901I1	13	16	0		1		70mm	H ELENA
850901I2	12	12	0	2	1		NONE	H ELENA
850902H	4	0	0	1	1		RL	H ELENA
850922I	7	2	0	0	1		RL	H GLORIA
850924I	6	4	0	0	1		RL	H GLORIA
850924H	9	0	0	0	1		RLN	H GLORIA
850925H	9	0	25	1	1		RLN	H GLORIA
850926I1	14	11	14	0	1		NONE	H GLORIA
850926H	13	0	0	2	1		RLN	H GLORIA
850926I2	12	16	0	2	1		NONE	H GLORIA
850927I	6	3	0	0	1		RN	H GLORIA
850927H	7	0	10	1	1		NONE	H GLORIA
851008I	11	15	42	0	1		NONE	TS ISABEL
851008H	16	0	19	0	1		NONE	TS ISABEL
851009I	8	2	3	1	1		70mm	TS ISABEL
851009H	10	0	0	0	1		NONE	TS ISABEL
851010I	13	8	0	0	1		NONE	TS ISABEL
851010H	6	0	0	0	1		NONE	TS ISABEL
851027I	3	0	0	0	1		NONE	H JUAN
851027H	8	0	0	0	1		NONE	H JUAN
851028I	8	12	0	0	1		NONE	H JUAN
851028H	7	0	0	0	1		NONE	H JUAN

Hurricane Gloria Flight List

<u>Flight ID</u>	<u>LPS</u>	<u>Depart/Arrive</u>	<u>Mission</u>
850922 I1	Willoughby	SanJuan/SanJuan	Environmental Flow
850924 I1	Burpee	SanJuan/Miami	Synoptic Flow
850924 H1	Willoughby	Miami/Miami	Synoptic Flow
850925 H1	Willis	Miami/Miami	Microphysics
850926 I1	Black	Miami/Miami	Long Term Monitoring w/AXCP drops
850926 H1	Willoughby	Miami/Miami	Long Term Mon.
850926 I2	Marks	Miami/Miami	Long Term Mon.
850927 H1	Willis	Miami/Miami	Long Term Mon.
850927 I1	Willoughby	Miami/Andrews AFB	Long Term Mon.

Tropical Storm Isabel Flight List

<u>Flight ID</u>	<u>LPS</u>	<u>Takeoff</u>	<u>Mission</u>
851008 I1	Marks	16Z	Rainband (2 plane)
851008 H1	Willoughby	16Z	Rainband (2 plane)
851009 I1	Black	13Z	Planetary Boundary Layer (cut short)
851009 H1	Willoughby	19Z	Long Term Monitoring
851010 I1	-----	04Z	Long Term Monitoring
851010 H1	-----	13Z	Long Term Monitoring

Hurricane Juan Flight List

<u>Flight ID</u>	<u>LPS</u>	<u>Depart/Arrive</u>	<u>Mission</u>
851027 I1	Marks	0933Z/1927Z	Long Term Monitoring
851027 H1	Willoughby	0058 /1030	Long Term Mon.
851028 I1	Willis	0335 /1338	Long Term Mon.
851028 I2	Willoughby	2126 /0648	Long Term Mon.

Hurricane Elena Flight List

<u>Flight ID</u>	<u>LPS</u>	<u>Take off</u>	<u>Mission</u>
850828 I1	-----	16Z	Reconnaissance
850829 I1	Marks	10Z	Long Term Monitoring
850829 H1	Willoughby	19Z	Long Term Mon.
850830 I1	Black	04Z	Long Term Mon.
850830 H1 -----	Engine failure		
850830 I2	Willoughby	23Z	Long Term Mon.
850831 H1	Black	09Z	Long Term Mon.
850831 I1	Marks	18Z	Long Term Mon.
850901 H1	Willoughby	03Z	Long Term Mon.
850901 I1	Black	12Z	Long Term Mon.
850901 H2 -----	Engine failure		
850901 I2	Marks	00Z/ 2 Sept.	Long Term Mon.
850902 H1	Willoughby	09Z	Long Term Mon.

RECONNAISSANCE FIX LOG

CYCLONE NAME ELENA
CYCLONE DATES 28 Aug -

ACFT	MISSION IDENT	OB #	DATE/TIME (GMT)	LAT	LON	MAX WIND		MIN SLP	STD. SFC HT.	MAX TEMP		DEW PT.	EYE SHAPE	EYE CHAR.	ACFT. ALT.	ACCURACY NAV./MET. (N. MI.)
				N	W	SFC	FL			OUT	IN					
				(DEGS-MINS)		(KT)		(MB)	(M)	°C	°C	°C				
EXAMPLE AF980	0503 ALICIA	12	17/0902	2753	9401	65	75	986	1303	19	22	18	C20	CLSD	850MB	5/5
IF980	0705 ELENA	09	29/0528	2357	8315			1002		24	24	23		Poorly Defined	1500'	5/6
IF980	0705 ELENA	12	29/0740	2418	8352		44	998								
IF980	0705 ELENA	14	29/0804	2423	8356		28	998		24	25	24	—	Poorly defined	1500'	5/5
VOAA 3	0805 ELENA	4	29/1207	2457'	8458'	50	58	994		24	26	26	C35	CLOSED WALL	1500'	5/5
"	"	INT	29/1314Z	25.1	85.1		66	994						open		
"	"		29/1428Z	25°24'	85°20'	60	53	995	1389	19	20	19	C35	open NW	850MB	5/5
"	"	INT	29/1532Z	25°31'	85°33'		60	995								
"	"	INT	29/1647Z	25.8	85.8		80	992								
"	"	17	29/1755Z	25°57'	85°51'	75	72	990	1347	18	21	18	C30	open SE	850MB	5/5
VOAAZ	0905 ELENA	4	29/2047	26°15'	86°30'	75	72	987	1300	15	20	18	C15	CLOSED WALL	850MB	5/3
VOAAZ	0905 ELENA	7	29/2154	26°21'	86°34'	70		987								
VOAAZ	0905 ELENA	M	29/2258Z	26°25'	86°35'	70			1296							
VOAAZ	0905 ELENA	12	30/0014Z	26°35'	86°35'	70	77	985	1293	17	21	18	—	Poorly Defined	850MB	4/6
VOAAZ	0905 ELENA	18	30/0206	26°53'	87°01'		200/190	985	1297	17	21	20				
VOAA 3	1005 ELENA	4	30/0544	27°17'	87°03'	—	180/163	980	1260	20	21	20		POORLY DEFINED	850MB	3/3
VOAA 3	1005 ELENA	8	30/0715	27°28'	87°16'	—	64	980	1258	—	—	—	—	—	850MB	
VOAA 3	1005 ELENA	10	30/0824	27°35'	87°25'	—	64	980	1260	21	22	19		POORLY DEFINED	850MB	5/10

RECONNAISSANCE FIX LOG

CYCLONE NAME
CYCLONE DATES

ELENA

27.9
96.7

#2

ACFT	MISSION IDENT	OB #	DATE/TIME (GMT)	LAT °N	LON °W	MAX WIND		MIN SLP	STD. SFC HT.	MAX TEMP		DEW PT.	EYE SHAPE	EYE CHAR.	ACFT. ALT.	ACCURACY NAV./MET. (N. MI.)
						SFC	FL			OUT	IN					
				(DEGS-MINS)		(KT)		(MB)	(M)	°C	°C	°C				
EXAMPLE AF980	0503 ALICIA	12	17/0902	2753	9401	65	75	986	1303	19	22	18	C20	CLSD	850MB	5/5
NOAA3	1005 ELENA	14	30/1012	2740	8726	-	97	EXT. (973)	1210						850 MB	
"	"	16	30/1119	27°50'	87°22'	-	89	974	1212	22	24	19	N/A	POORLY DEFINED	850MB	8/10
AF972	1105 ELENA	3	30/1735	2804	8646	102	180	EXT. 978	1229	16	24	15	N/A		850MB	
"	"		30/2002	28°12'	86°38'										850MB	
"	1105 ELENA	7	30/2030Z	28°23'	86°33'	105	69	EXT. 978	1230	19	21	15	-	-	850MB	5/5
AF972	1105 ELENA	10	30/2142	28°23'	86°25'	100	71	EXT. 978	1217						850MB	5/5
AF972	1105 ELENA	13	30/2301	28°24'	86°16'	105	58	977	1217	20	21	15	-	-	850MB	5/5
"	1105 ELENA	16	31/0019Z	29°23'	86°02'	80	360/62	EXT. 977	2890						700MB	5/5
"	1105 ELENA	4	31/0135Z	28°26'	85°44'		225/90	EXT. 977	1225						850MB	4/4
NOAA3	"	11	31/0257Z	28°32'	85°38'		210/86	EXT. 978	1233	18	23	15	POORLY DEFINED	-	850MB	4/4
"	"	11	31/0418	2835	8528		86	EXT. 977	1224						850 MB	
NOAA3 1205	1205 ELENA	15	31/0557	28°37'	85°16'		82	EXT. 976	1222	18	21	16	C40		850MB	6/5
"	"	19	31/0718	2844	8511		95	976	1217						850MB	
NOAA3 1205	1205 ELENA	23	31/0835	28°41'	85°06'		92	975	1206	17	21	17	POORLY DEFINED		850MB	6/5
NOAA2	1305 ELENA	03	31/1027	2841	8443		95	975	1207	19	20	20	C40	CLOSED	850MB	3/3
"	"	06	31/1128	28°44'	84°30'	75	73	974		20	20	19			850	3/3
"	"	09	31/1254	28°48'	84°22'	75	97	975	1203							

RECONNAISSANCE FIX LOG

CYCLONE NAME

ELENA

CYCLONE DATES

ACFT	MISSION IDENT	OB #	DATE/TIME (GMT)	LAT °N	LON °W	MAX WIND		MIN SLP (MB)	STD. SFC HT. (M)	MAX TEMP		DEW PT. °C	EYE SHAPE	EYE CHAR.	ACFT. ALT.	ACCURACY NAV./MET. (N. MI.)
						SFC	FL			OUT °C	IN °C					
EXAMPLE AF980	0503 ALICIA	12	17/0902	2753	9401	65	75	986	1303	19	22	18	C20	CLSD	850MB	5/5
NOAA 2	ELENA	12	31/1413	28°47'	84°15'	70	73	976	1219	20	23	15	C30	CLOSED	850MB	3/3
"	"	13	31/1450	28°49'	84°09'		75	974								
"	"	17	31/1630	28°45'	84°06'	65		975								
"	"		31/1727	28°47'	83°58'	80	83	975	1209	20	24	14	C40	CLOSED	850MB	3/3
NOAA 3	ELENA	2	31/1927	28°43'	83°56'		193/80	973	1204	19	21	17	C25	OFFN SW	850MB	10/10
NOAA 3	ELENA		31/2015	28°48'	83°52'	80		973								
NOAA 3	ELENA	5	31/2109	28°50'	83°53'	75	190/60	973	1193	17	21	19	C25	CLOSED	850MB	10/10
NOAA 3	ELENA		31/2202	28°48'	83°48'	72		973								
NOAA 3	ELENA	9	31/2242	28°50'	83°45'		207/86	971	1186	19	23	17	C25	OFFN SSE	850MB	10/10
NOAA 3	ELENA		31/2312	28°48'	83°44'		90									
NOAA 3	"	12	01/0011	28°47'	83°46'		181/41	971	1173	18	21	19	C25	OFFN W	850	10/10
NOAA 3	"	15	01/0040	28°45'	83°49'		197/80	969	1161	18	20	19	C20	CLOSED WIND	850	10/10
NOAA 3	"	18	01/0300	28°43'	83°51'		167/74	966	1142	19	24	18	C25	CLOSED WIND	550	10/10
NOAA 2	1506 ELENA	4	01/0444	2836	8357	-	82	EXT 966	1138	17	23	16	C35	CLOSED	850MB	4/4
NOAA 2	1505 ELENA	7	01/0554	2839	8359		84	EXT 965	1131	17	23	16	E10/40/30	OFFN NW	850MB	4/4
"	"	10	01/0643	2833	8357		93	EXT 965	1125							
"	"	13	01/0756	2832	8401		88	964	1105	17	21	16	E10/55/15	CLOSED	850MB	5/5

RECONNAISSANCE FIX LOG

#4

CYCLONE NAME ELENA

CYCLONE DATES _____

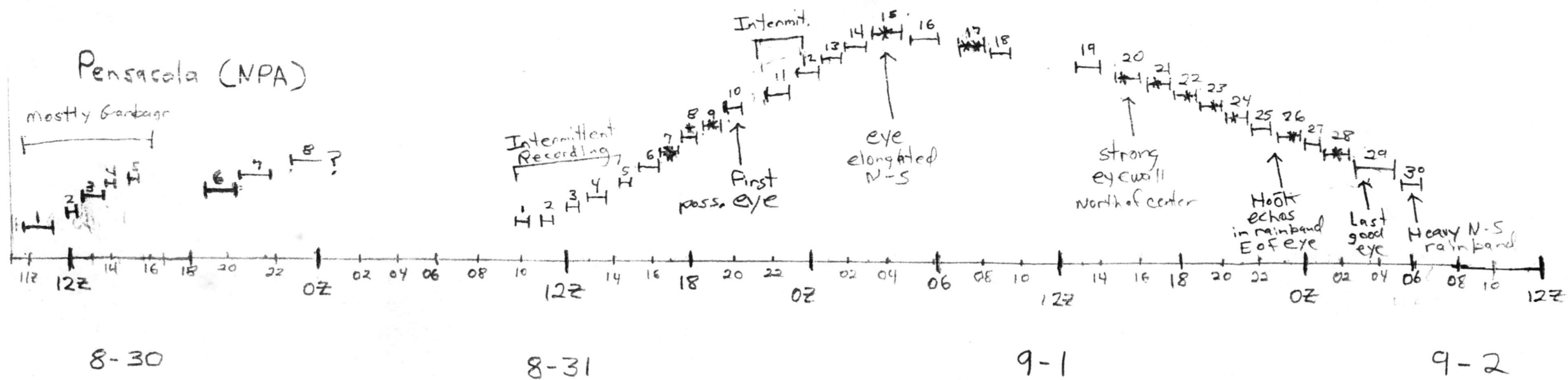
ACFT	MISSION IDENT	OB #	DATE/TIME (GMT)	LAT ° N	LON ° W	MAX WIND		MIN SLP	STD. SFC HT. (M)	MAX TEMP		DEW PT. ° C	EYE SHAPE	EYE CHAR.	ACFT. ALT.	ACCURACY NAV./MET. (N. MI.)
				(DEGS-MINS)		SFC	FL			OUT ° C	IN ° C					
EXAMPLE AF980	0503 ALICIA	12	17/0902	2753	9401	65	75	986	1303	19	22	18	C20	CLSD	850MB	5/5
NORAD 2	1505 ELENA	17	01/0908	28°34'	84°06'		95	963	1092	17	22	16	C35	CLOSED	850	5/4
"	"	20	01/1022	28°37'	84°05'		99	962	1092							
"	"	23	01/1120	28°37'	84°05'		98	962	1091	17	21	17	C25	CLOSED	850	4/5
NORAD 3	1605 ELENA	3	01/1313	28°40'	84°10'	80	97	960	1063	20	23	18	C35	CLOSED	850	3/7
"	1605 ELENA	6	01/1448	28°41'	84°15'	90	104	958	1055	20	24	18	C35	ONLY NW	850	5/7
"	"	8	01/1549	28°45'	84°26'	90	112	957								
"	"	11	01/1713	28°49'	84°35'	90	103	956	1040	20	24	18	C35	Closed	850	5/5
"	"	13	01/1837	28°58'	84°53'	60	121	954								
"	"	15	01/1939	29°05'	85°02'	95		951								
"	"	18	01/2027	29°08'	85°05'	80	120	952	1000	20	23	19	C25	Closed	850	5/5
AF 1624	1705 ELENA	3	01/2300	29°22'	85°33'	35	270/66	953	2695	14	17	17	C20	Closed	700	5/1
"	"	6	02/0000	29°26'	85°57'		210/40									
AF 1644	1705 ELENA	9	02/0120	29°22'	86°03'		260/73	956	2710	16	17	17	C15	CLOSED	700	5/1
"	ELENA	3	02/0145	29°25'	86°18'		082/126	954	1026	19	22	17	C15	Closed	700	5/1
"	"	6	02/0306	29°23'	86°31'	-	146/112	955	1035	19	21	18	C15	Closed	850	10/10
1644	1805 ELENA	9	02/0424	29°35'	86°54'	-	122	956	1051	19	20	18	C18	CLOSED	850	5/5

#5

#5

'Elena'
Land based Radar
8/30/85 - 9/2/85

Appalachicola (AQQ)
* denotes volume scan



RADAR COVERAGE FOR HURRICANE ELENA

RADAR COVERAGE FOR HURRICANE ELENA

