

FLT ID: 970208N	FM: SNN	TO: CYYT
FLT NO: 97-041	BLK IN: 1538Z	ATA: 1530Z
ETD: 0800Z	BLK OUT: 0956Z	ATD: 1004Z
ETE:	BLK TIME: 5:42	FLT TIME: 5:26
SPONSOR ORG: NSF	PROGRAM: FASTEX	PURPOSE: FERRY TO ST. JOHNS SUBJECTIVE TARGETING

DAO PERSONNEL

AC PHILIPPS BORN / MAXSON	SYS ENG GOLDSTEIN
CP FINKE	DATA SYS PRADAS-BERNES
NAV	RADAR
FE KETSON	BT/ODW HILL
RADIO	CLD PHYS
FD DAMIANO	DOPPLER

PARTICIPATING SCIENTIST/VISITORS/DAO

LAST, FIRST NAME	ACTIVITY ON A/C	AFFILIATION
CAMMAS	PI	FRANCE
SHAPIRO	ASTOPI	WPL
BARTELS	NRPS	NSSL
GAELARO	OBS	NRL
MASCART	OBS	FRANCE

PROPOSED/ACTUAL MISSION/REMARKS (RECCO, FIXES, STORM, PENET, NHOP #)

TT1 > TT2 1055Z

1240Z TT1 >> TT2

Decided to drop 9 sonar over cloud lead
between 21W-30W.

Talked to Sean Wat 1308Z.

T/O delayed due to
scientists changing
the flt plan 1 hour
prior to T/O.

U.S. DEPT. COMM./NOAA/OAO - DATA SECTION WORK FORM NO.2 OAOWF2 FILE

FLT ID: 970208N TIME OFF: 1004Z TIME ON: 1530Z

	A/C T/O	WX STN	A/C LAND	WX STN
PRESSURE	1026.0	1025 mb		

NO DATA DISPOSITION/DATE/QUALITY

1/SEC FLT LVL TAPES

FAST FLT LVL TAPES

RADAR TAPES

DOPPLER TAPES

ODW CASSETTES

HARD COPIES

AXBT

AXCP

ODW

GPS

28

PHOTOGRAPHY

	FWD	LS	RS	VERT	
ON					
OFF					
RATE					

REMARKS

970208N

TIME	LAT	LONG	TRK	HID	WD	WS	TA	TD	PA	PA	PS	PQ		
100900	5245	919	277	272	251	18	-9.4	-13.1	8649	8508	625.4	118.0	RTN	CLD
102000	5251	1101	275	273	267	25	-44.9	-48.3	8520	8526	329.4	161.3	RTN	CLD
102900	5256	1243	274	271	256	22	-44.6	-48.3	8521	8519	329.3	161.3	RTN	CLD
104000	5300	1448	272	268	244	26	-43.9	-48.9	8522	8513	329.1	161.3	RTN	CLD
105120	5301	1657	270	264	236	32	-43.8	-46.1	8513	8477	329.5	160.9	IN	CLD
111250	5301	2100	271	259	208	47	-45.8	-50.8	8516	8345	329.5	164.5		DROP
111821	5301	2201	270	259	210	46	-46.5	-51.6	8513	8302	329.5	162.1		DROP
112337	5301	2300	270	259	216	41	-45.7	-53.9	8516	8272	329.5	161.6		DROP
112857	5301	2400	269	261	215	32	-45.0	-52.5	8515	8242	329.5	162.9		DROP
113410	5301	2500	270	264	222	29	-47.5	-52.2	8515	8222	329.6	161.6		DROP
113919	5301	2600	271	267	242	23	-49.6	-55.7	8512	8217	329.6	159.6		DROP
114433	5301	2700	271	266	239	21	-51.6	-55.9	8513	8234	329.5	161.5		DROP
114950	5301	2800	270	268	271	24	-50.3	-58.8	8516	8193	329.5	160.5		DROP
115516	5301	2900	269	266	258	27	-51.6	-56.6	8516	8195	329.5	159.5		DROP
120044	5300	3000	267	265	261	26	-50.6	-56.3	8515	8192	329.5	163.8		DROP
121500	5253	3232	265	261	249	37	-51.1	-57.0	8515	8170	329.5	161.9	ABV	CLD
123000	5243	3507	263	258	244	46	-51.7	-57.6	8515	8135	329.5	161.5	ABV	CLD
125100	5226	3824	261	255	244	58	-56.7	-58.5	8515	8071	329.3	161.1	ABV	CLD
131439	5156	4156	210	215	242	56	-52.3	-60.0	8515	8018	329.5	159.6		DROP
132337	5100	4200	180	193	243	64	-50.6	-58.1	8513	8078	329.5	160.6		DROP
133256	5000	4200	180	192	243	59	-50.6	-58.0	8513	8160	329.6	161.4	NO P	DROP
133520	4944	4200	180	191	242	56	-50.4	-56.5	8513	8179	329.5	161		DROP
134202	4900	4200	180	189	243	49	-50.5	-53.7	8514	8225	329.5	161.0		DROP
135108	4800	4204	216	221	245	47	-49.5	-53.6	8513	8279	329.6	160.5		DROP
135818	4740	4300	243	242	245	46	-49.5	-53.6	8513	8281	329.6	160.7	NO W	DROP
140652	4717	4408	242	242	246	45	-49.3	-52.9	8512	8277	329.6	162.5		DROP
141444	4655	4510	242	241	246	40	-49.9	-53.7	8507	8281	329.7	154.2		DROP
142230	4633	4609	241	241	248	40	-50.4	-53.3	8506	8280	329.7	151.8		DROP
143012	4610	4710	241	240	245	39	-50.3	-52.8	8511	8281	329.6	160.8		DROP
143751	4546	4810	240	240	243	43	-49.8	-52.6	8512	8286	329.6	161.9		DROP
144554	4521	4910	240	240	246	43	-49.9	-53.9	8512	8281	329.7	161.8		DROP
145210	4504	4958	280	281	248	45	-50.1	-52.5	8507	8287	329.8	159.4		DROP
145849	4539	5038	326	313	247	46	-51.2	-53.1	8509	8244	329.7	161.9		DROP
150548	4619	5118	325	311	246	49	-52.11	-53.4	8507	8172	329.9	160.8	NO P	DROP
150804	4632	5132	325	311	250	50	-52.2	-53.7	8505	8149	329.9	160.1		DROP
151249	4700	5200	326	312	253	55	-52.6	-54.1	8507	8112	329.9	165.0		DROP

FASTEX

Flight #11 N970208 (Ferry to St. Johns;subjective targeting)

DATA TYPE

SENSOR or OPTION

INE	VEW_PITR
Accelerometer	ACINS_PITR
Temperature Probe	AT1
Altitude (for vertical wind)	PALT
Static Pressure	PS1M
Dynamic Pressure	QC1M
Dewpoint Probe	DPRC

Notes:

No dynamic corrections were applied to the measured static and dynamic pressures. Thus wind direction and wind speed may not be representative of actual flight level conditions.

There was a spike in total temperature 1 (TT1) between 105540Z - 105600Z.

Dropsonde data and event switch information ARE NOT on the tape.

Downward spikes in radar altimeter data are a result of overflying land.

	<u>Takeoff</u>	<u>Landing</u>
Aircraft static pressure	1026.0mb	NA
Corrected tower pressure	1025.0mb	NA

Flight Meteorologist: A. Barry Damiano, (813) 828-3310 ext. 3073



FASTEX Operations Center
Shannon Airport, Ireland
353 61 47 46 59

3 pp.

Transmit to : Ron Phillipsborn Room 521

Fax Number : 709 570-1620

From : José Meitín, FASTEX Aircraft Coordinator 061 474657

Date : Saturday 8 February 1997

Message :

Proposed FASTEX FLIGHT OPERATIONS

0900UTC /Sun 9 February

a/c Gulfstream-IV

call sign NOAA-49

I've included the Air Space Reservation that has been made for FASTEX. There is a previous reservation for fuel tankers crossings near the marked trajectory. This will exclude FASTEX a/c from FL250-270; so we must maintain FL240 and below for the period 1200Z and 1630Z.

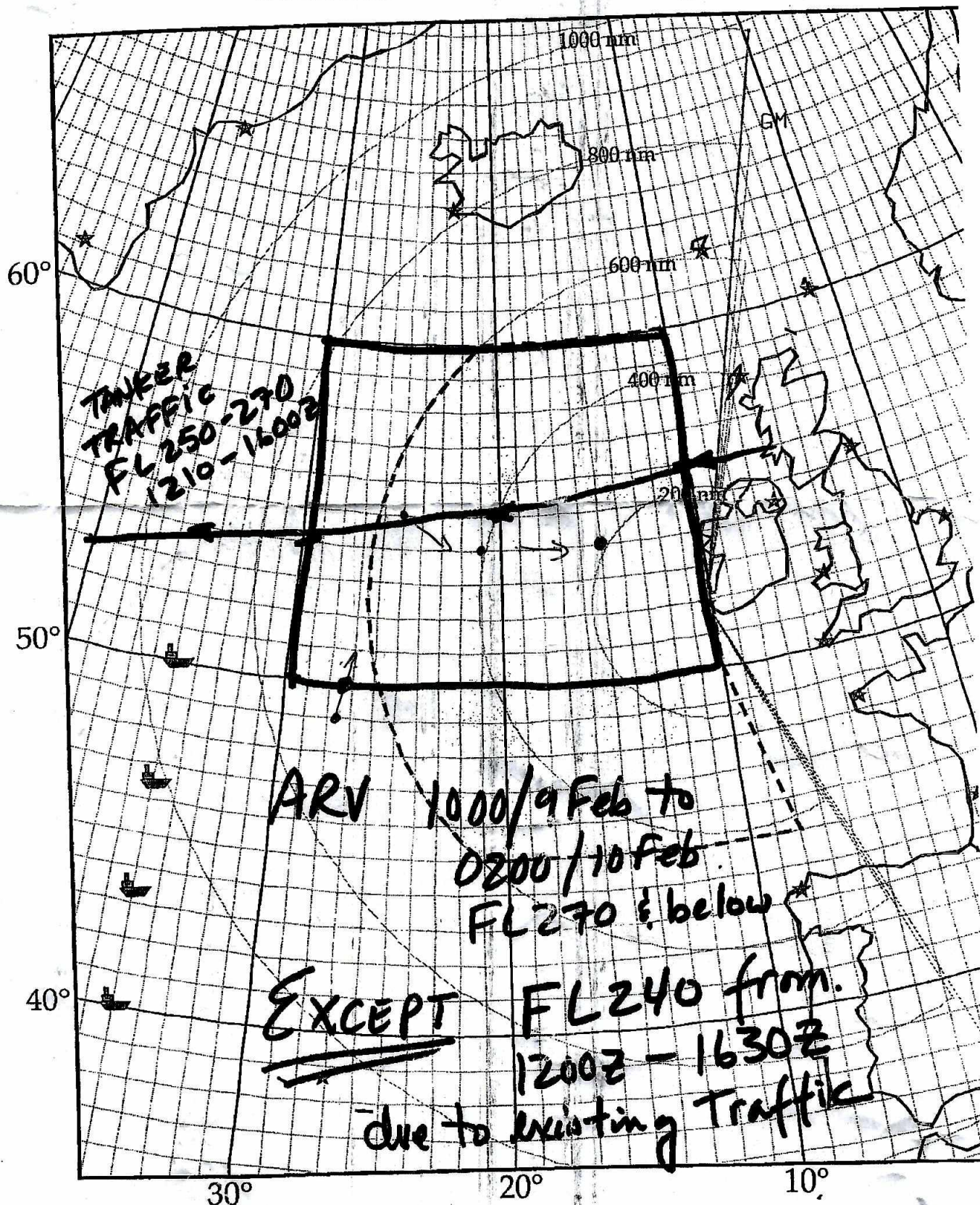
The UK C-130 (callsign METMAN) will take-off from Lyneham, England at 1200Z and will also be using the box. Scientists prefer to have METMAN at FL240 and NOAA49 at FL220.

I will be in Ops Center ~0700Z once G-IV flight plan has been filed with Gander and Shanwick AND the NATTRACKS have been published; I will make an attempt to get a higher altitude corridor from 30°W to 15°W for dropsondes at FL450. THIS WILL BE HIGHLY UNLIKELY TO SUCCEED

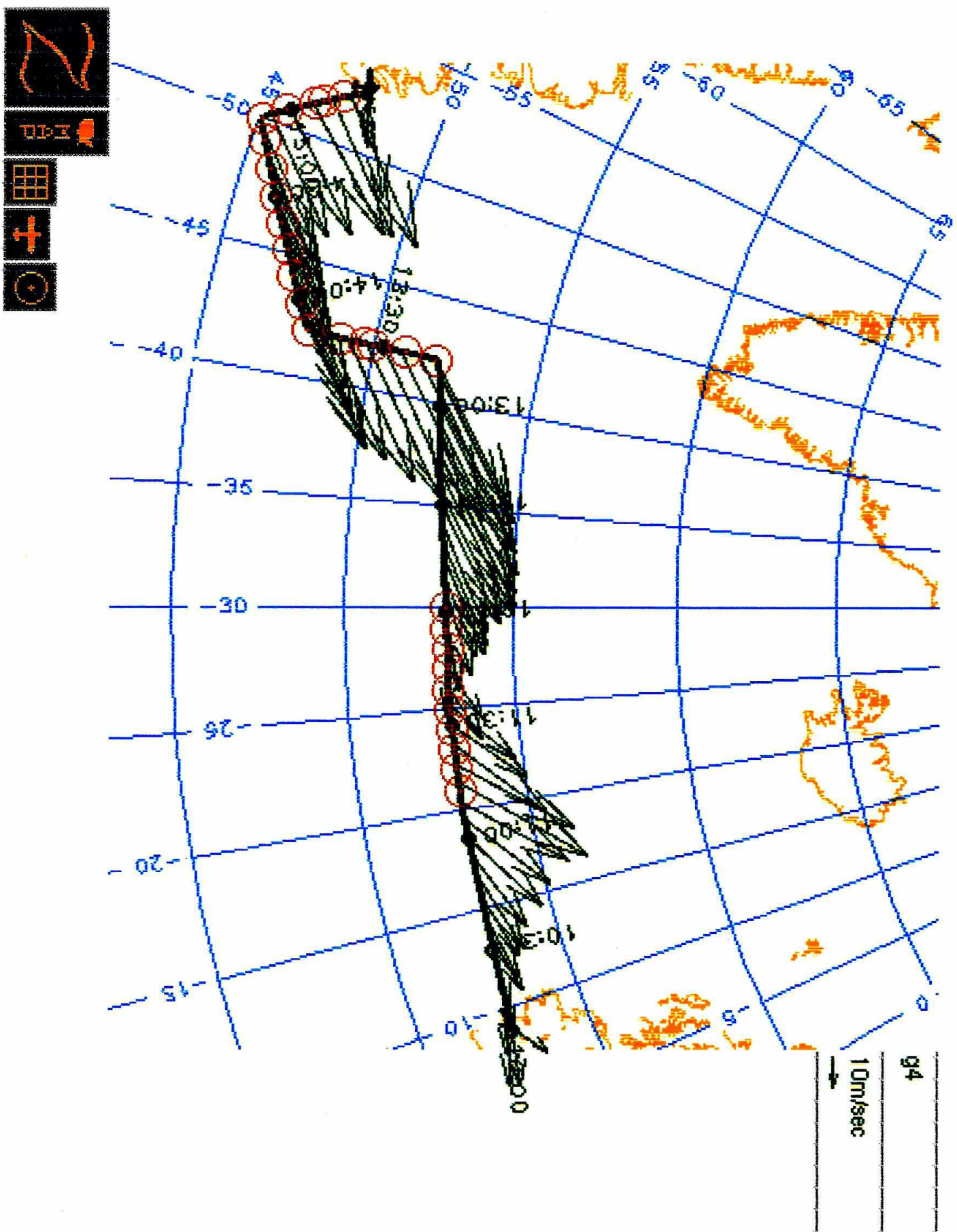
If you need a retransmission or other assistance, please contact the

Aer Rianta
FASTEX Operations Center
New Pier extension
Shannon Airport
Co Clare, Ireland
~~Tel: 353 61 47 46 24~~
Fax: 353 61 47 46 59

FASTEX MSA Planning Chart



8-feb-1997, 16:00:00 Lambert conformal polar projection: g4 track with wind vectors.



Sunny Day
5AM

8
7

ST. JOHNS
47° 38' 52° 45'

0900Z SUNDAY

5:30AM LOCAL TIME

2:30AM at Airport

2:00AM leave hotel

St. John

47 49

41 53

42 56

Canal box

High ALT

40 W

52N

48N

45N

ST.

42W.

42W

50W

JOHNS

AS CLOSE

17
7
9

10002

16

10 Soudes

30 20

28

630

474-636

FST OPS
center

3:30pm
1700Z

5pm

~~52 42 D1~~

~~51 42 D2~~

~~50 42 D3~~

~~49 42 D4~~

~~48 42 D5~~

~~47 40' 43 00 D6~~

~~47 40' 44 10 D7~~

~~46 55' 45 40 D8~~

~~46 35' 46 10 D9~~

~~46 10' 47 20 D10~~

~~45 25' 48 10 D11~~

~~45 15' 49 30 D12~~

~~44 17' 50 15 D13~~

47° 00 52 07' D16

~~330 21~~

~~331 22~~

~~332 23~~

~~333 24~~

~~334 25~~

~~335 26~~

~~336 27~~

~~337 28~~

D38 29

D39 30