



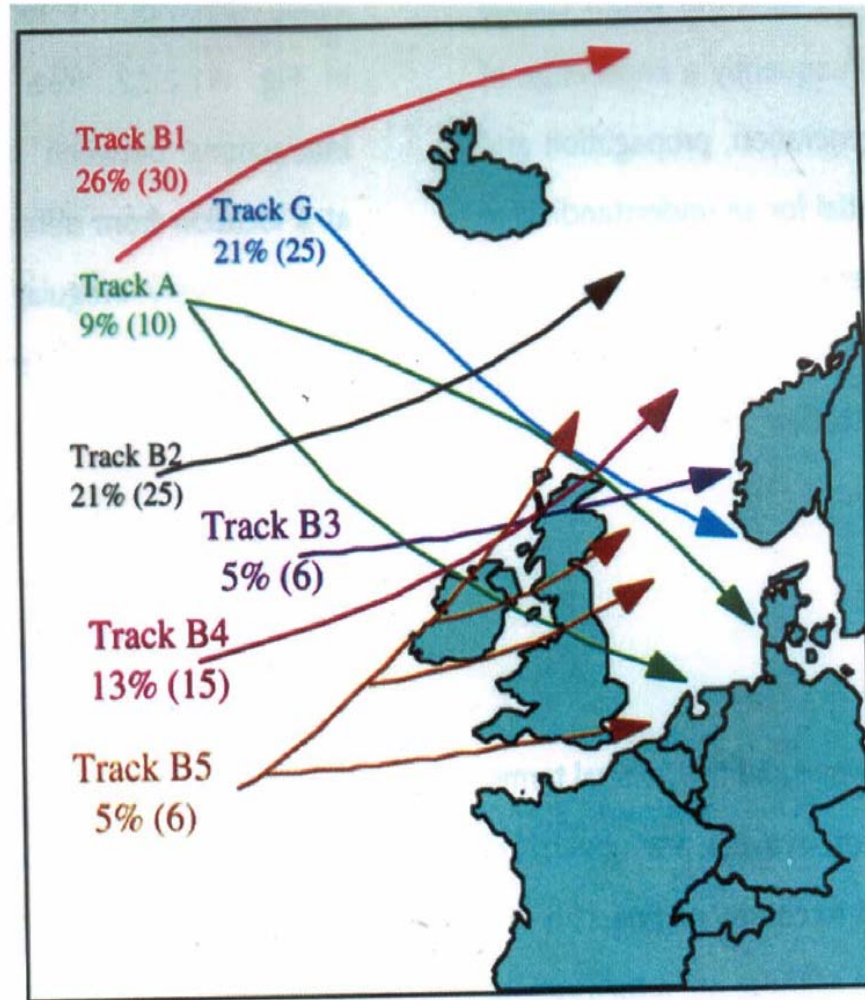
Brian Doyle & Denis O Mahony

Port Meteorological Officers

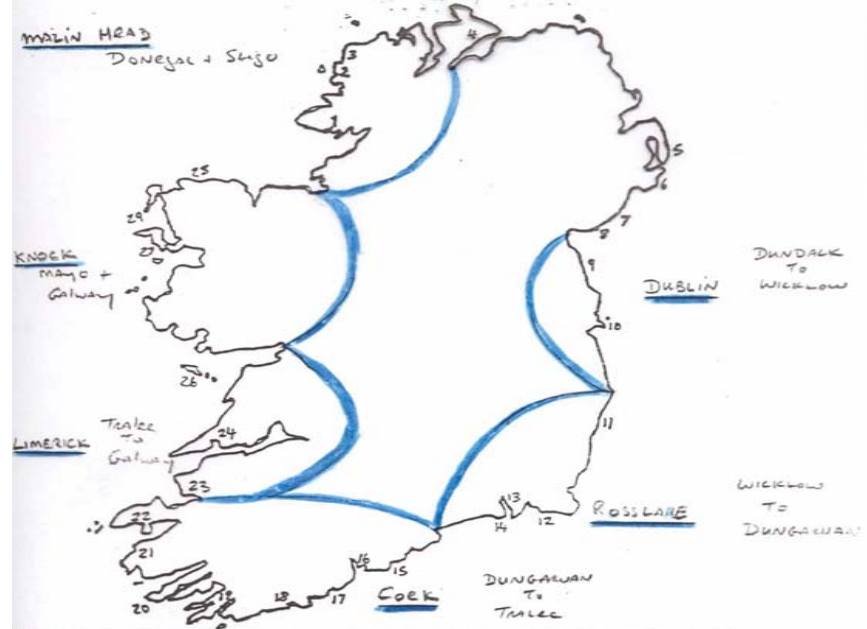
Ireland

Classification and frequency of primary depression tracks in the North East Atlantic

(Number of annual depressions in brackets)



Fishing Ports of Ireland



1. Killybegs	11. Arklow	20. Castletownbere
2. Burtonport	11. Wexford Town	21. Portmagee
3. Bunbeg	12. Kilmore Quay	22. Dingle
4. Greencastle	13. Duncannon	23. Fenit
5. Portavogie	14. Dunmore East	24. Carrigaholt
6. Ardglass	15. Ballycotton	25. Rossaveal
7. Annalong	16. Cobh	26. Kilronan
8. Kilkeel	17. Kinsale	27. Kildavnet
9. Clogherhead	18. Union Hall	28. Porturlin
10. Howth	19. Schull	29. Blacksod

PMO areas in Ireland

Marine Weather Observing Network Ireland

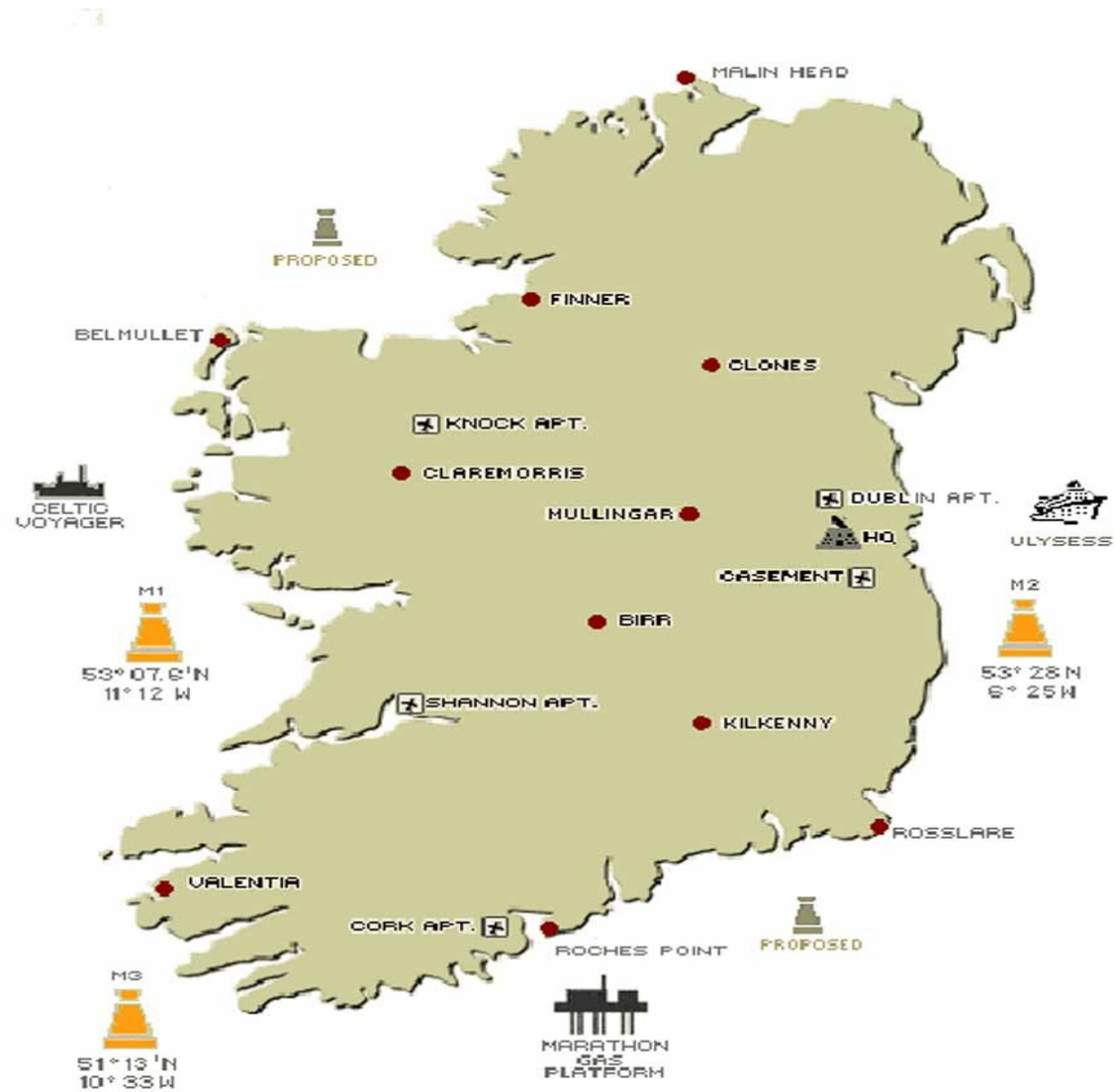
18 VOS

4 Moored Buoys (plus another next year)

2 Drifting Buoys

1 Gas Platform

Coastal Stations





L.E. Aoife



L.E. Eithne



L.E. Niamh



Seahorse Supporter



Ulysses



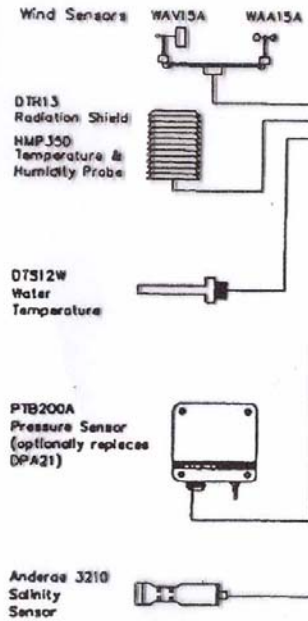


Normandy

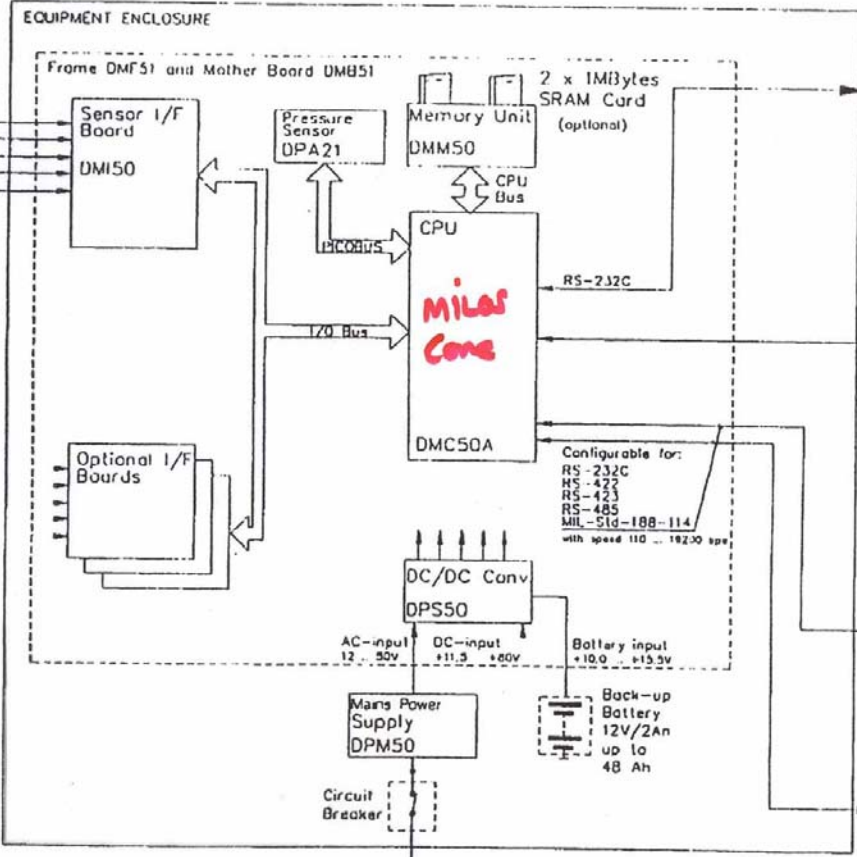


CELTIC VOYAGER

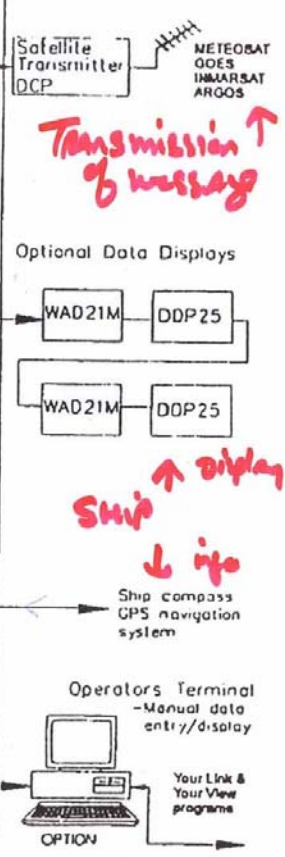
BASIC SET OF SENSORS:



MILOS 500



COMMUNICATION:



Mains Supply 90 .. 260 VAC

9503-012

Automatic Ship Weather Station on the Celtic Voyager



Irish Marine Data Buoy Network



Quality Control of Ships Weather Observations

Using analysed synoptic charts

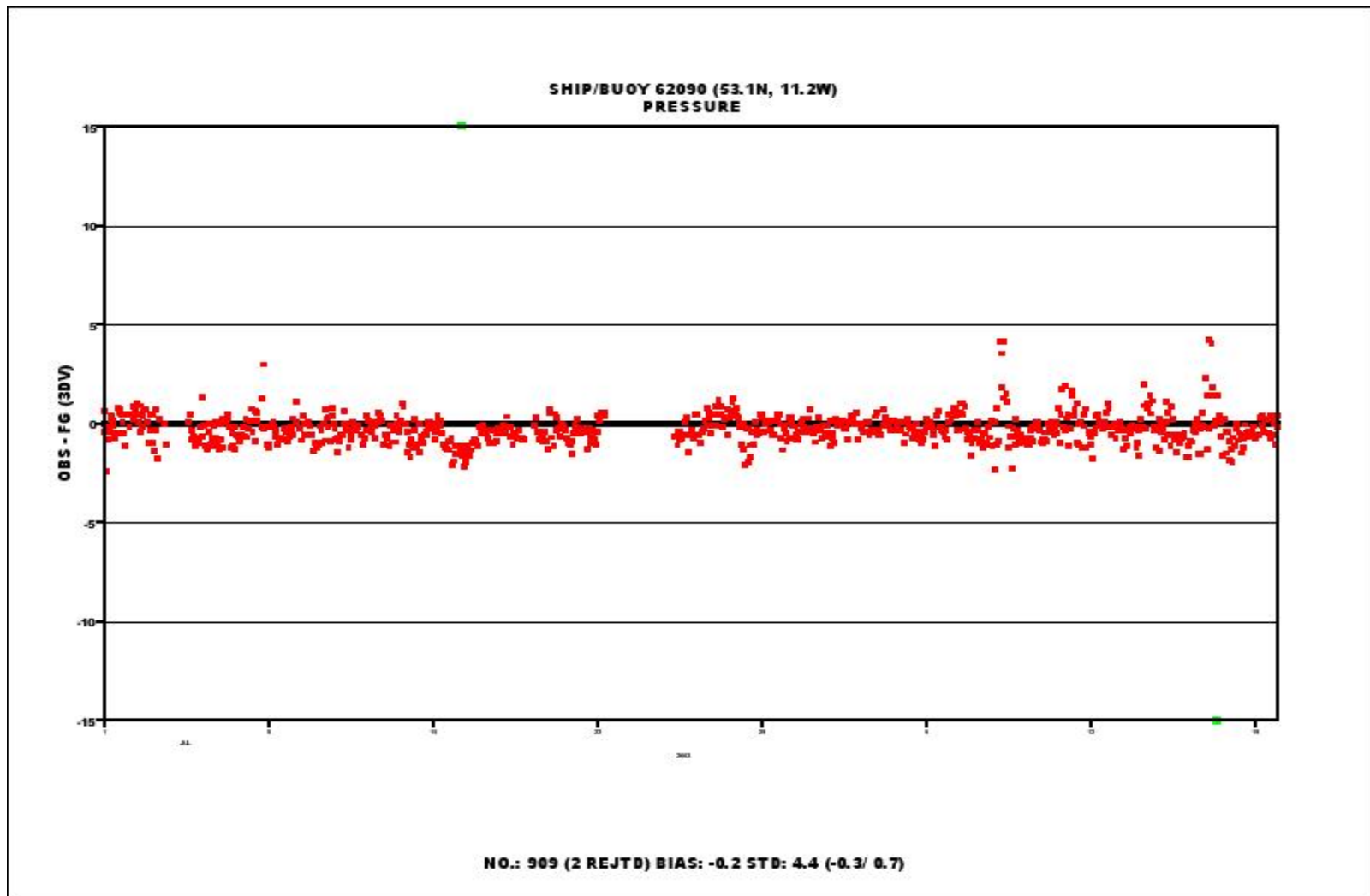
- Check location of ship
- Check wind speed and direction and note any large variations deduced from geostrophic wind scale
- Check calculation of dew point

Quality control of ships weather observations 2

- Check msl reading and note estimated errors deduced from isobars on map and readings from adjacent sites
- Check pressure tendency and characteristic by comparing with readings from adjacent land sites
- Check cloud and ww groups and note any coding errors

Quality control of ships weather observations 3

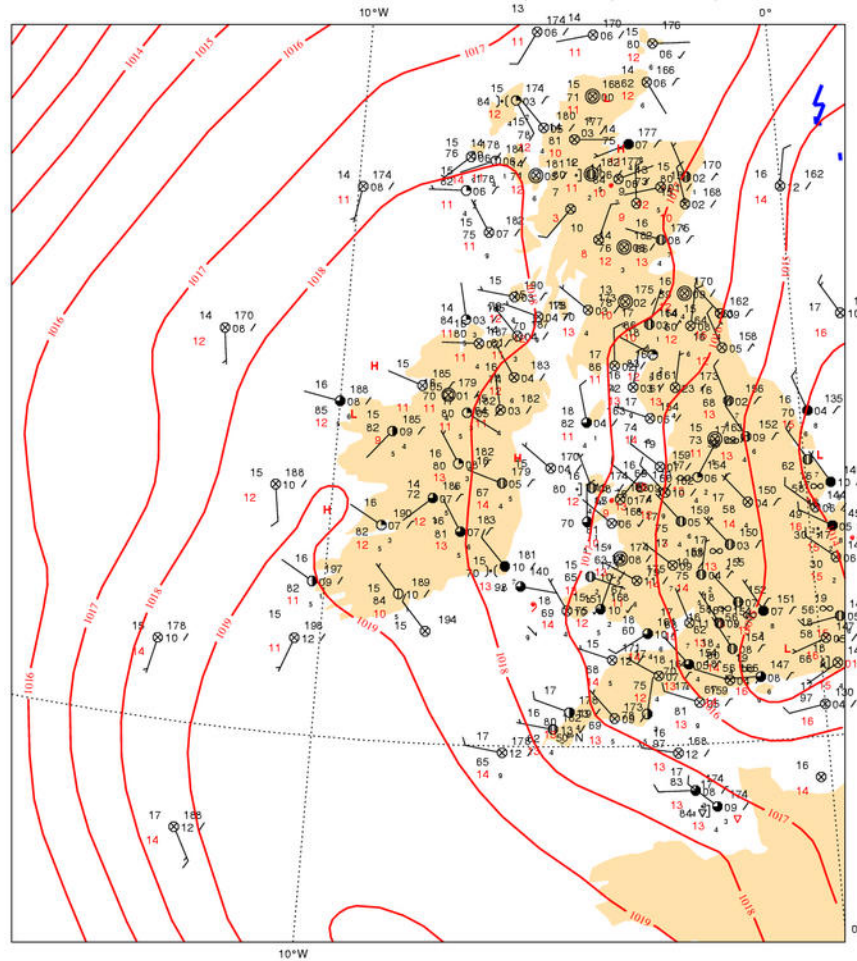
- Note sea temperatures and check for gross errors
- Examine sea, swell, wave and period and note any gross errors deduced from wind speed and direction
- Note the time the observation was received.

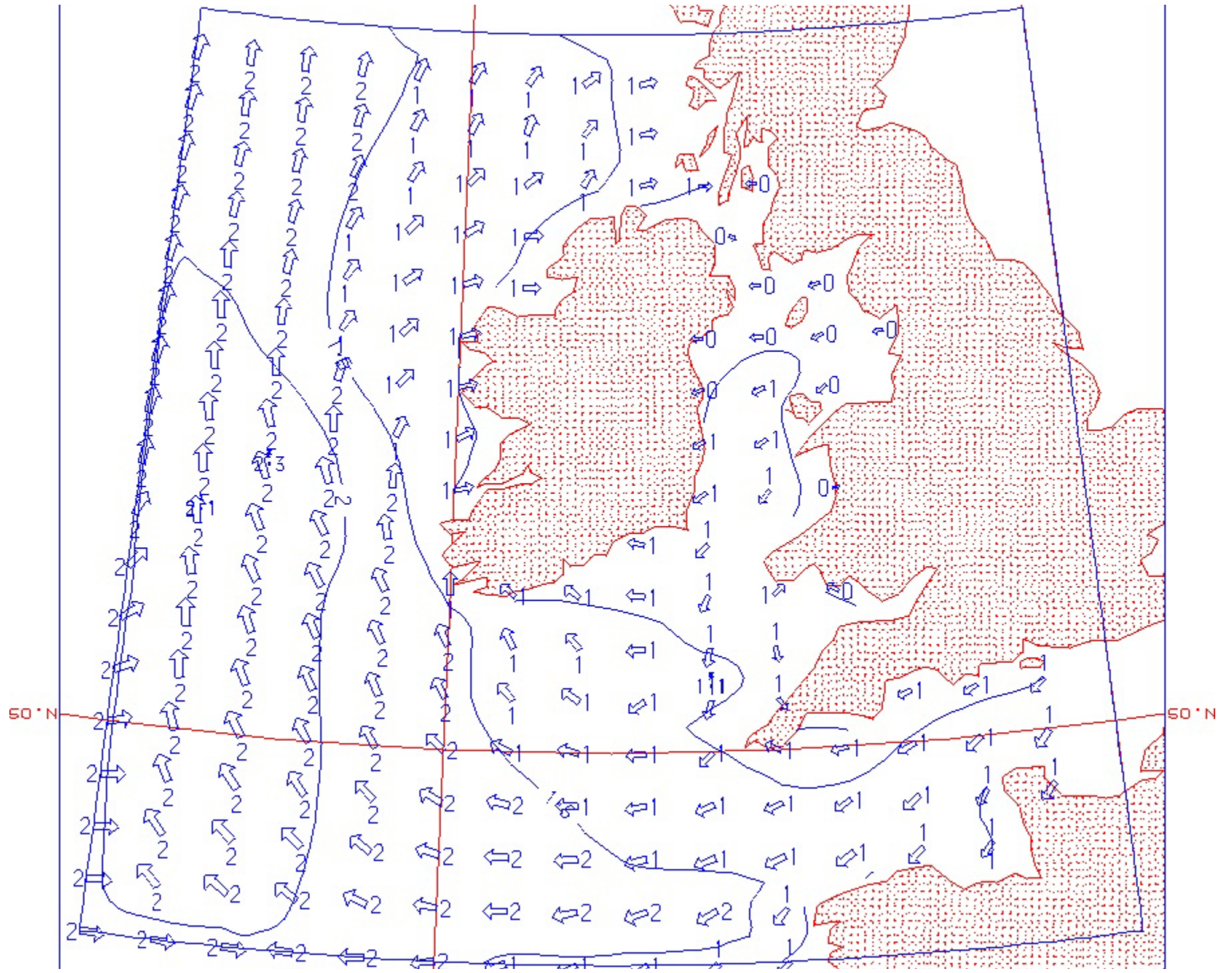


An automatic check of the observations against the model analysis

980 000	92429	965 000
978		962 000
976 000		960 000
974 000		957 000 92438
973 000		955 000
971 000		953 000 92428
970 000		952 000
		62090 12
967 000		62091 08

MSL PRESSURE ANALYSIS FOR: 10 UTC 20 AUG 2002
PLOTTED OBSERVATIONS: SYNOP, SHIP, BUOY, SFLOC





visibility
gsi1
cloud cover

pressure

year	month	day	hour	lat	long	vv	n	dir	speed	drybulb	wetbulb	dewpoint	msl
2000	9	3	16	53.1	-11.4	98	4	18	17	17	15	14	1020.1
2000	9	4	16	54	-11.9	98	7	23	12	17	15.5	15	1017.2
2000	9	5	16	52.7	-12	96	8	21	27	16	15.5	15	1014
2000	9	6	16	53	-12	98	8	22	22	15.5	13	11.5	1014.3
2000	9	12	16	53.1	-12	98	8	18	15	15.5		9.5	1015
2000	9	12	10	53.1	-10.8	97	8	25	30	18.9	16	16	1009.2
2000	9	13	16	52.7	-12.1	98	4	23	12	16.2	14	12.8	1010
2000	9	14	16	53.3	-12.2	98	4	29	12	14.5	12	10.5	1011.1
2000	9	16	16	53.3	-12.4	96	8	25	15	15.5	15.5	15.5	1016.5
2000	9	17	16	53.3	-12.4	98	8	26	23	14.5	12.5	11	1003.1
2000	9	20	16	52.8	-12.5	98	6	20	24	15.5	13	11.5	999.7
2000	9	24	16	52.8	-12.6	98	3	20	16	15	12	10	1011.1
2000	9	26	16	53.1	-12.8	98	4	23	19	14.5	13	11.5	1010.2

year	month	day	hour	lat	long	vv	n	dir	speed	drybulb	wetbulb	dewpoint	msl
2000	9	2	12	55.4	20.6	97	6	14	13	15.2	14	12.9	1017
2000	9	3	12	56.5	-20.5	97	8	14	37	15.5	14.8	14.2	1010
2000	9	5	12	57	-17.8	96	8	18	24	13.2	12.8	12.3	1005
2000	9	6	12	57	-19.4	97	8	25	18	13	11	9	1007
2000	9	8	12	54.9	-13.2	97	6	22	30	14.5	12.5	10.5	1011
2000	9	13	12	52.2	-10.7	97	6	22	18	15.5	15.1	14.8	1012
2000	9	14	12	48	-10.6	97	8	18	9	18	17.6	17.3	1016
2000	9	15	12	47.4	-11.3	97	5	36	13	19	16.3	14.3	1018
2000	9	16	12	47.9	-10.9	97	7	0	0	16.8	15.2	12	1023
2000	9	17	12	48.5	-10.6	97	6	31	13	18	16	14.3	1020
2000	9	18	12	49.6	-12.1	97	8	31	9	13	12		1005
2000	9	20	12	48.4	-9.8	97	7	22	13	15.4	12.4		1005
2000	9	21	12	48.9	-11.4	97	8	22	24	16	15.6	15.3	1005
2000	9	25	12	49.8	-11.4	97	5	32	13	17	16.4	15.9	1011
2000	9	30	12	50.4	-11.1		7	31	30				1009
2000	10	1	12	49.6	-11.5	96	7	28	37	14.4	12	9.4	1006
2000	10	6	12	49.8	-11.5		7	22	3	16	15.5	15.3	1034
2000	10	7	12	47.7	-12.1		8	22	5	16.6	116.2	15.8	1032
2000	10	8	12	48.8	-11.9		5	27	6	14.5	12.5	10.5	1026
2000	10	9	12	50	-11.2	97	6	27	37	13	12.6	12.2	1004
2000	10	26	12	48.6	-11.4	97	5	27	18	16.9	14.6	12	1017

Data-Base Table

