

**LATERAL AND VERTICAL NAVIGATIONAL ERRORS REPORTED TO THE NAT CENTRAL MONITORING AGENCY
(De-identified)**

March 2007 reported NAT occurrences

1. Large Height Deviations (300ft or greater)

REF No	REP BY	DATE	TYPE	OTS/RAN	FLIGHT CLD	LEVELS FINAL	HEIGHT DEVIATION	CAUSE	SOURCE OF REPORT	REMARKS	RVSM LEVELS CROSSED	TIME ¹
H/07/3/9	Shanwick	04-Mar-07	GLF5	RAN W	430	400	-3000	ATC Co-ordination error Shanwick/Gander	ACC	W/B RAN F400 cleared to cross 47/30 at F430. ADT to Gander F400 iso F430.	0	0
H/07/3/6	Reykjavik	12-Mar-07	A343	RAN W	320	340	2000	Entered Reykjavik from Scottish at unco-ordinated level	ACC	W/B RAN entered Reykjavik from Scottish at unco-ordinated level	0	0
H/07/3/8	Shanwick	16-Mar-07	B773	RAN E	330	350	2000	Entered Shanwick from Madrid at unco-ordinated level	ACC	E/B RAN reported at BERUX at unco-ordinated level. Madrid ACC failed to descend a/c as co-ordinated with Shanwick.	0	3
H/07/3/13	Reykjavik	23-Mar-07	A333	RAN W	320	340	2000	Entered Reykjavik from Stavanger at unco-ordinated level.	ACC	W/B RAN co-ordinated by Stavanger at F320 but cleared to F340 without further co-ordination with Reykjavik.	0	0
H/07/3/12	Shanwick	23-Mar-07	A343	RAN W	350	360	1000	Entered Reykjavik at unco-ordinated level	ACC	Cleared to cross 61/20 F360 by Shanwick. ADT to Reykjavik indicated F350.	0	0
H/07/3/11	Shanwick	23-Mar-07	B744	RAN W	350	360	1000	Entered Santa Maria at wrong level	ACC	Cleared F360 by Shanwick - ADT to Santa Maria indicated F350	0	0
H/07/3/5	Santa Maria	08-Mar-07	A346	RAN E	N/A	350	0	Entered Santa Maria without co-ordination from SAL	ACC	Entered Santa Maria from SAL at 20N032W F350 without co-ordination or request for Oceanic Clearance. Loss of lateral separation with SAA203 (W/B RAN F350) crossing (<5min/40nm). See also E/07/3/4	0	13
H/07/3/3	Shanwick	09-Mar-07	C5	OTS W	340	334	-600	Descended without clearance	ACC	W/B OTS requested diversion EGUN due hydraulic failure. Cleared by CPDLC and HF DCT SUNOT maintaining F340 but unable contact on HF. ADS position reports indicated a/c turned right instead of left for SUNOT and descended F334 (or <334) See E/07/3/2	0	5
H/07/3/2	Shanwick	09-Mar-07	GLF5	OTS E	410	150	-26000	Descended without clearance	ACC	Emergency descent - turned hdg 015 and descended F150. Loss of separation with traffic at F390/350 on same track - see also E/07/3/1	12	5

¹ Time spent at wrong level (min)

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H/07/3/4	Reykjavik	11-Mar-07	B752	RAN E	350	175	-25000	Descended without clearance	ACC	E/B RAN descended due pressurisation problem. ATC unable clear owing to traffic at F330 so a/c adopted contingency proc and descended. See also E/07/3/3	6	7
H/07/3/10	Santa Maria	16-Mar-07	A343	RAN W	N/A	330	0	Entered SantaMaria from Shanwick without co-ordination	ACC	W/B RAN co-ordinated Shanwick/SM SEPAL DCT 43/20 F330. Entered SM 30nm S of co-ordinated point owing to reroute via PASAS (not advised to SM). L-o-S (13mins crossing) with TOM741W W/B RAN -See E/07/3/5	0	5

NOTES:

1 TIME – TIME AT UNCLEARED LEVEL. OTS/RAN DENOTES WHETHER OCCURRED WITHIN ORGANISED TRACK SYSTEM OR ON RANDOM ROUTE.

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2. Gross Navigation Errors (25nm or greater cross-track error) (Not risk-bearing)

MONITORING REF. NUMBER	OBSERVED BY ACC	DATE	AIRCRAFT TYPE	FLIGHT LEVEL	TRACK DEVIATION (X TRACK)	OTS /RAN	REMARKS
B/07/3/4	Santa Maria	29-Mar-07	A343	370	30	RAN E	Wrong Information

NOTE: OTS/RAN DENOTES WHETHER OCCURRED WITHIN ORGANISED TRACK SYSTEM OR ON RANDOM ROUTE.

NORTH ATLANTIC NAVIGATIONAL AND HEIGHT-KEEPING ERRORS
Reported to the North Atlantic Central Monitoring Agency
(De-identified data)

3. ATC Interventions to Prevent Gross Navigation Errors

OTS/RAN DENOTES WHETHER OCCURRED WITHIN ORGANISED TRACK SYSTEM OR ON RANDOM ROUTE.. "ISO" = INSTEAD OF.

Serial	Date	Reported By	Type	Details
I/07/3/1	04-Mar-07	Gander	ASTR	W/B RAN cleared 49/20 52/30 52/40 50/50 KOBV YQX. Reported 52/30 52/40 52/50 (Crew error - had originally filed per cleared route. Claimed route received from Ballygirreen. Shanwick verified correct clearance and readback)
I/07/3/2	07-Mar-07	Gander	GLF5	W/B OTS cleared 59/30 59/40 58/50 FOXXE YHO. Reported 58/50, PORGY, FOXXE (Crew error - did not follow reclearance)
I/07/3/3	14-Mar-07	Shanwick	B744	E/B RAN cleared 45/30 48/20 BEDRA GUNSO reported 45/30 48/20 OMOKO (Crew error - followed flight plan iso clearance)
I/07/3/4	15-Mar-07	Reykjavik	C525	E/B RAN F370 cleared ALDAN RATSU STN reported ALDAN STN (Crew error - misunderstood clearance).
I/07/3/5	16-Mar-07	Shanwick	B744	E/B RAN cleared 50/20 LIMRI DOLIP reported 50/20 LIMRI BURAK (Crew error - followed flight plan iso clearance)
I/07/3/6	21-Mar-07	Gander	B744	E/B RAN cleared 51/30 51/20 reported 51/30 52/20. Crew denied receiving CPDLC clearance from New York.
I/07/3/7	22-Mar-07	Gander	B772	W/B RAN cleared 48/40 44/50 reported 48/40 45/50. (Crew error - followed flight plan iso clearance)
I/07/3/8	24-Mar-07	Shanwick	B763	E/B RAN cleared 47/20 BEDRA GUNSO reported 47/20 BEDRA KENUK (Crew error -followed flight plan iso clearance)
I/07/3/9	30-Mar-07	Gander	A332	W/B RAN cleared 49/30 48/40 45/50 Reported 49/30 48/40 44/50 (Crew error - followed flight plan iso clearance)