

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

June 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/07/6/1	Shanwick	12-Jun-07	A332	RAN E	370	350	-2000	ATC error	ACC	E/B RAN F350 cleared CPDLC climb F370. Message not delivered to a/c. System message misread as a readback message and error not realised until Shannon requested confirmation of FL some 20 mins later. Cleared in SAATS at F370 but a/c remained at F350.	0	20
H/07/6/4	Santa Maria	20-Jun-07	B744	RAN W	370	380	1000	Failed to comply with restriction in clearance	ACC	W/B RAN cleared (CPDLC) to climb F380 at time 1205 - Climbed immediately (time 1134).	0	10
H/07/6/6	Gander	06-Jun-07	DC93	RAN W	0	360	0	Entered Gander from New York without clearance	ACC	Entered Gander from New York at 4430N41W without co-ordination.	0	6
H/07/6/2	Shanwick	16-Jun-07	GLF2	RAN W	430	200	-10000	Engine failure - emergency descent	ACC	W/B RAN F430 above tracks C and D. Emergency descent with engine failure to F330, thereafter under radar control by Shannon to FL200.	11	9
H/07/6/3	Shanwick	20-Jun-07	B744	RAN E	370	370	0	ATC Co-ordination error	ACC	E/B RAN entered Shanwick from Santa Maria without co-ordination (after reroute).	0	0

NOTES:

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

¹ Time spent at wrong level (min)

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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/07/6/1	Shanwick	07-Jun-07	FA50	400	60	OTS W	Waypoint Insertion
B/07/6/3	Shanwick	09-Jun-07	B763	340	60	RAN W	Wrong Information
B/07/6/4	Reykjavik	10-Jun-07	B752	360	30	RAN W	Wrong Information
B/07/6/5	Reykjavik	21-Jun-07	B752	340	38	RAN W	Wrong Information
B/07/6/7	Reykjavik	29-Jun-07	B738	360	30	RAN W	Wrong Information
B/07/6/6	Reykjavik	29-Jun-07	B772	360	29	RAN W	"Computer error"

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

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3. Lateral deviations of less than 25nm

MONITORING REF. NUMBER	OBSERVED BY ACC	DATE	AIRCRAFT TYPE	FLIGHT LEVEL	TRACK DEVIATION (X TRACK)	OTS /RAN	REMARKS
L/07/6/2	Shanwick	08-Jun-07	CL30	400	60	RAN W	Cleared LIMRI 52/20 52/30. Reported at LIMRI routing to 53/20. This was identified at 17W (24nm XTE) and cleared to remain on this routing. No L-o-S.
L/07/6/3	Shanwick	23-Jun-07	B744	(RVSM LEVEL)	14	RAN W	Cleared GOMUP 58/20. Reported GOMUP 57/20 (per flight plan).

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4. 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/07/6/1	03-Jun-07	Gander	GLF5	E/B RAN F410 cleared 48/40 51/30 53/20 MALOT BURAK. Reported: 48/40, 51/30, 52/20. Crew error - followed flight plan iso clearance.
I/07/6/2	05-Jun-07	Gander	B763	E/B RAN cleared 51/40 52/30 51/20 SOMAX KENUK. Reported 51/40, 52/30, 53/20.(Crew error - follwed flight plan iso clearance)
I/07/6/3	11-Jun-07	Shanwick	F900	W/B OTS cleared DOGAL 55/20 55/30 54/40 52/50. Reported 55/20 55/30 55/40. (Crew error - followed flight plan iso clearance)
I/07/6/4	12-Jun-07	Shanwick/Santa Maria	B763	E/B OTS cleared 47/20 OMOKO GUNSO. Reported 47/20 ETIKI REGHI. (ATC Error - Santa Maria failed to pass to crew new routing coordinated Gander-Shanwick)
I/07/6/5	12-Jun-07	Shanwick	MD11	E/B RAN cleared 45/40 46/30 47/20 48/15 ETIKI REGHI. Reported 46/30 47/20 48/10 per ATC flight plan. (Crew error - follwed flight plan iso clearance)
I/07/6/6	17-Jun-07	Gander	B772	E/B RAN cleared 62/40 61/30 59/20. Reported 62/40 61/30 60/20 (Crew error - followed flight plan iso clearance)
I/07/6/7	18-Jun-07	Shanwick	B744	E/B RAN cleared 47/20 48/15 ETIKI REGHI. Reported 47/20 48/15 OMOKO GUNSO. (ATC Error - New York faled to pass reroute to a/c)
I/07/6/8	18-Jun-07	Gander	H25B	E/B RAN cleared 50/40 51/30 50/20 Reported 50/40 51/30 51/20. (Crew error - followed flight plan iso clearance)
I/07/6/9	18-Jun-07	Gander	B763	W/B OTS cleared 56/40 55/50 OYSTR STEAM. Reported 56/40 55/50 STEAM. (Crew error)
I/07/6/10	23-Jun-07	Shanwick	C17	E/B RAN F350 cleared 48/15 ETIKI REGHI. Reported at 20W routing 48/15 GUNSO. (Crew error)

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