APPENDIX

MONITORING PROCEDURES	
PERIOD	**STANDARD OF COMPARISON**
One calendar month.	Background field from ARPEGE global model.

ABBREVIATIONS	
NOBS	Number of observations received excluding duplicates.
REJ	Number of observations rejected by the analysis.
NGE	Number of observations with gross errors.
NC	Number of calm wind observations
PGE	Percentage of observations with gross errors.
SD	SD of difference of observations from background values excluding those with gross errors.
MAX SPREAD	(For observations - background values) Maximum absolute difference of SD at any level from SD at all levels.
BIAS	Mean difference of observations from background values excluding those with gross errors.
RMS	Root Mean Square difference of observations from background values excluding those with gross errors

	Geopotential height		Wind speed
Level	Gross error	Weight	Gross error
1000 hPa	100 m	3.70	35 m/s
925 hPa	100 m	3.60	35 m/s
850 hPa	100 m	3.40	35 m/s
700 hPa	100 m	2.90	40 m/s
500 hPa	150 m	2.20	45 m/s
400 hPa	175 m	1.90	50 m/s
300 hPa	200 m	1.60	60 m/s
250 hPa	225 m	1.50	60 m/s
200 hPa	250 m	1.37	50 m/s
150 hPa	275 m	1.19	50 m/s
100 hPa	300 m	1.00	45 m/s
70 hPa	375 m	0.87	
50 hPa	400 m	0.80	
30 hPa	450 m	0.64	