A L E R T P E R I O D S
The International Space Environment Service

FEBRUARY 2004

Julian Day	Date of Issue	Date of Obs	Wolf No.	10-cm Solar Flux	A-index	Rgn No.	Location Lat	Location Lon	Flares Opt	Flares M	Flares X	Date of Fcst	Region Fcst(1)	Geoadvice(1)
032	01	31	49	94	10	10546	S12	E41	0	0	0	01	Q	SOL: Eruptive
						10547	S10	E01	0	0	0	01	Q	MAG: Active
						10548	N06	E30	0	0	0	01	Q	PRO: Quiet
						10549	N13	E70	0	0	0	01	E	
033	02	01	57	97	10	10546	S12	E27	0	0	0	02	Q	SOL: Eruptive
						10547	S10	W12	0	0	0	02	Q	MAG: Active
						10548	N06	E17	0	0	0	02	Q	PRO: Quiet
						10549	N14	E57	2	0	0	02	E	
034	03	02	106	102	28	10546	S12	E15	0	0	0	03	Q	SOL: Eruptive
						10547	S09	W27	0	0	0	03	E	MAG: Active
						10549	N14	E41	0	0	0	03	E	PRO: Quiet
						10550	S08	W14	0	0	0	03	Q	
						10551	S06	E64	0	0	0	03	Q	
						10552	S08	E18	0	0	0	03	Q	
035	04	03	103	99	15	10546	S12	E02	0	0	0	04	Q	SOL: Eruptive
						10547	S09	W40	0	0	0	04	E	MAG: Active
						10549	N14	E30	0	0	0	04	E	PRO: Quiet
						10550	S09	W26	0	0	0	04	Q	
						10551	S05	E51	0	0	0	04	E	
						10552	S07	E06	0	0	0	04	Q	
036	05	04	85	101	12	10547	S08	W55	1	0	0	05	E	SOL: Eruptive
						10549	N14	E17	0	0	0	05	Q	MAG: Active
						10550	S09	W39	0	0	0	05	Q	PRO: Quiet
						10551	S06	E39	0	0	0	05	Q	
						10552	S08	W06	0	0	0	05	Q	
037	06	05	109	106	16	10547	S08	W70	2	0	0	06	Q	SOL: Eruptive
						10549	N14	E04	1	0	0	06	Q	MAG: Quiet
						10551	S06	E26	0	0	0	06	Q	PRO: Quiet
						10552	S08	W20	0	0	0	06	Q	
						10553	S05	E01	0	0	0	06	Q	
038	07	06	98	107	19	10547	S08	W83	0	0	0	07	Q	SOL: Eruptive
						10549	N14	W09	0	0	0	07	Q	MAG: Active
						10551	S06	E13	0	0	0	07	Q	PRO: Quiet
						10552	S08	W33	0	0	0	07	Q	
						10553	S05	W12	0	0	0	07	Q	
039	08	07	92	111	8	10549	N14	W22	0	0	0	08	E	SOL: Eruptive
						10551	S06	W00	0	0	0	08	Q	MAG: Quiet
						10553	S04	W25	0	0	0	08	Q	PRO: Quiet
						10554	S08	E76	0	0	0	08	Q	
040	09	08	74	116	6	10549	N13	W36	0	0	0	09	Q	SOL: Active
						10551	S06	W14	0	0	0	09	E	MAG: Quiet
						10554	S08	E62	1	1	0	09	E	PRO: Quiet
041	10	09	81	118	6	10549	N13	W49	0	0	0	10	Q	SOL: Active
						10551	S06	W27	0	0	0	10	E	MAG: Quiet
						10554	S08	E52	4	0	0	10	E	PRO: Quiet
						10555	S14	E72	0	0	0	10	Q	
042	11	10	78	117	7	10549	N13	W62	0	0	0	11	Q	SOL: Eruptive
						10551	S08	W41	0	0	0	11	E	MAG: Quiet
						10554	S10	E38	0	0	0	11	Q	PRO: Quiet
						10555	S14	E58	0	0	0	11	Q	
043	12	11	91	114	23	10549	N12	W79	0	0	0	12	Q	SOL: Eruptive
						10551	S08	W55	0	0	0	12	Q	MAG: Quiet
						10554	S09	E24	0	0	0	12	Q	PRO: Quiet
						10555	S14	E45	0	0	0	12	Q	
						10556	N16	E22	0	0	0	12	Q	

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Julian Day	Date of Issue	Date of Obs	Wolf No.	10-cm Solar Flux	A-index	Rgn No.	Location Lat	Location Lon	Flares Opt	Flares M	Flares X	Date of Fcst	Region Fcst(1)	Geoadvice(1)
044	13	12	65	112	21	10551	S08	W68	0	0	0	13	Q	SOL: Eruptive
						10554	S10	E12	0	0	0	13	Q	MAG: Active
						10555	S14	E32	0	0	0	13	Q	PRO: Quiet
						10556	N16	E06	0	0	0	13	Q	
045	14	13	71	108	25	10551	S07	W79	0	0	0	14	Q	SOL: Quiet
						10554	S08	W01	0	0	0	14	Q	MAG: Active
						10556	N16	W04	0	0	0	14	Q	PRO: Quiet
						10557	S11	W32	0	0	0	14	Q	
						10558	S15	E36	0	0	0	14	Q	
046	15	14	64	104	17	10554	S09	W13	0	0	0	15	Q	SOL: Quiet
						10556	N17	W19	0	0	0	15	Q	MAG: Active
						10558	S16	E21	0	0	0	15	Q	PRO: Quiet
						10559	N07	W42	0	0	0	15	Q	
047	16	15	75	102	23	10554	S09	W28	0	0	0	16	Q	SOL: Quiet
						10556	N16	W37	0	0	0	16	Q	MAG: Active
						10558	S16	E07	0	0	0	16	Q	PRO: Quiet
						10559	N08	W56	0	0	0	16	Q	
						10560	S16	E30	0	0	0	16	Q	
						10561	N02	E64	0	0	0	16	Q	
048	17	16	81	99	6	10554	S08	W43	0	0	0	17	Q	SOL: Quiet
						10555	S16	W22	0	0	0	17	Q	MAG: Quiet
						10556	N15	W54	1	0	0	17	Q	PRO: Quiet
						10558	S16	W06	0	0	0	17	Q	
						10559	N07	W68	0	0	0	17	Q	
						10560	S17	E17	0	0	0	17	Q	
						10561	N02	E52	0	0	0	17	Q	
049	18	17	22	102	4	10554	S08	W56	0	0	0	18	Q	SOL: Quiet
						10561	N02	E39	0	0	0	18	Q	MAG: Quiet
									0	0	0	18		PRO: Quiet
050	19	18	23	98	9	10554	S08	W69	0	0	0	19	Q	SOL: Quiet
						10561	N02	E26	0	0	0	19	Q	MAG: Quiet
									0	0	0	19		PRO: Quiet
051	20	19	33	96	7	10554	S08	W83	0	0	0	20	Q	SOL: Quiet
						10561	N02	E12	0	0	0	20	Q	MAG: Quiet
						10562	S11	E73	0	0	0	20	Q	PRO: Quiet
052	21	20	34	95	6	10561	N02	W01	0	0	0	21	Q	SOL: Quiet
						10562	S11	E59	0	0	0	21	Q	MAG: Quiet
						10563	S21	E66	0	0	0	21	Q	PRO: Quiet
053	22	21	52	98	6	10561	N02	W15	0	0	0	22	Q	SOL: Quiet
						10562	S13	E45	0	0	0	22	Q	MAG: Quiet
						10563	S24	E51	0	0	0	22	Q	PRO: Quiet
						10564	N14	E42	0	0	0	22	Q	
054	23	22	58	104	11	10561	N02	W30	0	0	0	23	Q	SOL: Eruptive
						10562	S12	E29	0	0	0	23	Q	MAG: Quiet
						10563	S23	E40	0	0	0	23	Q	PRO: Quiet
						10564	N13	E26	10	0	0	23	Q	
055	24	23	68	104	11	10562	S13	E13	0	0	0	24	Q	SOL: Eruptive
						10563	S24	E26	0	0	0	24	Q	MAG: Quiet
						10564	N13	E13	0	0	0	24	Q	PRO: Quiet
						10565	S05	E35	0	0	0	24	Q	
056	25	24	85	106	11	10563	S24	E13	0	0	0	25	Q	SOL: Eruptive
						10564	N15	E00	2	0	0	25	Q	MAG: Quiet
						10565	S04	E22	0	0	0	25	Q	PRO: Quiet
						10566	N05	E21	0	0	0	25	Q	

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057	26	25	107	119	7	10562	S12	W09	0	0	0	26	Q	SOL: Eruptive
						10563	S23	E01	0	0	0	26	Q	MAG: Quiet
						10564	N14	W14	8	0	0	26	E	PRO: Quiet
						10565	S05	E07	1	0	0	26	Q	
						10566	N05	E05	0	0	0	26	Q	
058	27	26	105	121	4	10563	S23	W12	0	0	0	27	Q	SOL: Eruptive
						10564	N14	W27	4	1	1	27	E	MAG: Quiet
						10565	S05	W07	0	0	0	27	Q	PRO: Quiet
059	28	27	90	122	15	10563	S23	W27	0	0	0	28	Q	SOL: Active
						10564	N14	W42	0	0	0	28	E	MAG: Active
						10565	S04	W21	0	0	0	28	Q	PRO: Quiet
						10567	S13	E50	0	0	0	28	Q	
060	29	28	104	116	21	10563	S23	W39	0	0	0	29	Q	SOL: Active
						10564	N15	W54	0	0	0	29	E	MAG: Active
						10565	S04	W33	0	0	0	29	Q	PRO: Quiet
						10567	S13	E37	0	0	0	29	Q	
						10568	S16	W20	0	0	0	29	Q	

(1) Region Forecast and Flare (SOL) Advice
- Q = Quiet (<50% probability of C-class flares)
- E = Eruptive (C-class flares expected, probability >=50%)
- A = Active (M-class flares expected, probability >=50%)
- M = Major (X-class flares expected, probability >=50%)
- P = Proton (Proton flares expected, probability >=50%)
- W = Warning (activity levels are expected to increase, but no numerical forecast given)
- / = No forecast available

Magnetic (MAG) Geoadvice

'Quiet'		
'Active'	conditions expected	(A>= 20 or K =4)
'Minor'	storm expected	(A>= 30 or K =5)
'Major'	storm expected	(A>= 50 or K>=6)
'Severe'	storm expected	(A>=100 or K>=7)
'IP'	magstorm in progress	(A>= 30 or K>=4)
'Warning'	(activity levels are expected to increase, but no numerical forecast given)	
'/'	no forecast available	

Proton (PRO) Geoadvice

'Quiet'		
'Proton'	event expected	(10pfu at > 10 MeV)
'Major'	proton event expected	(100pfu at >100 MeV)
'IP'	proton event in progress	(>10 MeV)
'Warning'	(activity levels are expected to increase, but no numerical forecast given)	
'/'	no forecast available	

STRATWARM ALERTS

STRATALERT BERLIN 01 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
CONTINUOUSLY DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE LOWER STRATOSPHERE, UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 02 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
CONTINUOUSLY DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 03 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
CONTINUOUSLY DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 04 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
CONTINUOUSLY DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 05 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.

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CONTINUOUSLY DISTURBED TEMPERATUR AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 06 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
CONTINUOUSLY DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, UNUSUALLY COLD POLAR REGOIN IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 07 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
CONTINOUSLY DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, UNUSUALLY COOLING IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 08 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE; UNUSUALLY COOLING IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 09 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
DISTURBED TEMEPRATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 10 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, FURTHER UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 11 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, FURTHER UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 12 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, FURTHER UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 13 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, FURTHER UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 14 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, FURTHER UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 15 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, FURTHER UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 16 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, FURTHER UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 17 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
STILL DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, FURTHER UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 18 FEBRUARY 2004 1400 UTC STRATALERT EXISTS.
STILL DISTURBED TEMPERATURE AND CIRCULATION PATTERN IN THE POLAR LOWER STRATOSPHERE, STILL UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE.

STRATALERT BERLIN 19 FEBRUARY 2004 1400 UTC STRATALERT NIL.
RETURN TO NORMAL TEMPERATURE AND CIRCULATION PATTERN IN THE LOWER STRATOSPHERE, FURTHER UNUSUALLY COLD POLAR REGION IN THE UPPER STRATOSPHERE