

HFUS 1 BOU 230550

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 357A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY ISSUED 0600Z 23 DECEMBER 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS. REGION 536 (N13W63) HAS SHOWN SOME ACTIVITY BUT NO FLARES HAVE BEEN OBSERVED. ONE NON-ENERGETIC SUBFLARE WAS OBSERVED IN REGION 542 (N07W26).

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A VERY LOW LEVEL.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET DURING THE PAST 8 HOURS. IT IS EXPECTED TO REMAIN QUIET TO SLIGHTLY UNSETTLED DURING THE NEXT 24 HOURS.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

SOLTERWARN

BT

HFUS BOU 231450

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 357B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 23 DEC 1974

IA. SOLAR ACTIVITY HAS REMAINED LOW DURING THE PAST 8 HOURS.  
REGION 539 (N06E01) PRODUCED A SUB-BRILLIANT CLASS C2 FLARE AT  
23/1020Z. SOME INCREASE IN COMPLEXITY OF THE NEUTRAL LINE FILAMENT  
EAST OF THIS REGION HAS BEEN REPORTED. OTHER REGIONS STILL ARE  
RELATIVELY UNIMPRESSIVE. A NEW REGION MAY BE EMERGING NEAR S06E08.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW. SIGNIFICANT ENERGETIC  
ACTIVITY IS UNLIKELY.

II. THE GEOMAGNETIC FIELD HAS BEEN RELATIVELY QUIET DURING THE  
PAST 8 HOURS. QUIET TO UNSETLED CONDITIONS ARE EXPECTED TO  
CONTINUE THROUGH THE FORECAST PERIOD.

III. EVENT PROBABILITIES 23-25 DEC

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 22 DEC 93

PREDICTED 23-25 DEC 88/86/84

90-DAY MEAN 22 DEC 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 21 DEC 14

ESTIMATED AFR/AP 22 DEC 12/14

PREDICTED AFR/AP 23-25 DEC 11/13-10/12-07/08

SOLTERWARN

BT

HFUS BOU 232225

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 357

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 23 DEC 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 24 HOURS.  
THE ONLY SIGNIFICANT EVENT REPORTED WAS A SUB-BRILLIANT CLASS C2  
FLARE THAT OCCURRED IN REGION 539 (N07W03) AT 23/1020Z. SOME IN-  
CREASE IN THE COMPLEXITY OF THE NEUTRAL LINE FILAMENT IN REGION  
539 HAS BEEN REPORTED, BUT FEW OTHER STRUCTURAL CHANGES HAVE  
OCCURRED IN THIS REGION. A NEW REGION MAY BE EMERGING NEAR S06E08.  
OTHER REGIONS ARE DULL AND UNIMPRESSIVE.

IB. SOLAR ACTIVITY PROBABLY WILL REMAIN VERY LOW. REGION 539 MAY  
PRODUCE SPORADIC MINOR FLARES EAST OF THE MAIN SPOT ALONG THE  
NEUTRAL LINE.

II. THE GEOMAGNETIC FIELD REMAINED QUIET TO UNSETTLED UNTIL ABOUT  
23/1400Z, WHEN MODERATE DISTURBANCE BEGAN AT HIGH LATITUDES. THIS  
MODERATE DISTURBANCE MAY CONTINUE SPORADICALLY FOR 24-48 HOURS,  
ESPECIALLY DURING LOCAL NIGHT, BUT GENERALLY CONDITIONS WILL BE  
QUIET TO UNSETTLED.

III. EVENT PROBABILITIES 24-26 DEC

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 23 DEC 86

PREDICTED 24-26 DEC 85/84/82

90-DAY MEAN 23 DEC 91

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 22 DEC 13

ESTIMATED AFR/AP 23 DEC 13/15

PREDICTED AFR/AP 24-26 DEC 11/13-6/7-6/7

SOLTERWARN

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