

HFUS 1 BOU 270600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 361A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 0500Z 27 DECEMBER 1974

IA. THE SUN HAS BEEN GENERALLY QUIET FOR THE PAST 7 HOURS; HOWEVER,  
ANOTHER HYDER FLARE WAS OBSERVED IN REGION 539 (N06W45) AT 27/0023Z.  
THIS FLARE WAS REPORTED AS A ONE NORMAL OPTICALLY (A C3 X-RAY FLARE)  
LARGE DARK SURGES WERE OBSERVED NORTH AND SOUTH OF THE REGION ALONG  
THE PATH OF THE DARK EMBEDDED NEUTRAL LINE FILAMENT.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE ESSENTIALLY LOW. REGION  
539 IS EXPECTED TO BE THE SOURCE OF AN OCCASIONAL MODERATELY  
ENERGETIC FLARE (C5 TO M5).

II. THE GEOMAGNETIC FIELD HAS BEEN ESSENTIALLY QUIET FOR  
THE PAST 7 HOURS. THE FIELD SHOULD BE GENERALLY QUIET WITH OCCASIONAL  
UNSETTLED PERIODS DURING THE NEXT THREE DAYS.

III. EVENT PROBABILITIES NO CHANGE

IV. OTTAWA 10.7 CM FLUX NO CHANGE

V. GEOMAGNETIC A INDICES NO CHANGE

SOLTERWARN

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HFUS 1 BOU 271430  
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO  
GDF NUMBER 361B  
JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 1430Z 27 DEC 1974  
IA. SOLAR ACTIVITY HAS BEEN LOW. SPORADIC CLASS C FLARES HAVE  
CONTINUED IN REGION 539 (N06W51).  
IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN LOW WITH AN OCCASIONAL  
FLARE UP TO SMALL CLASS M PROBABLE IN REGION 539.  
II. THE GEOMAGNETIC FIELD HAS BEEN MOSTLY QUIET WITH ACTIVE PERIODS  
WHEN PROBABLE INTENSIVE SUBSTORM EFFECTS HAVE EXTENDED TO MID-  
LATITUDES.  
III. EVENT PROBABILITIES 27-27 DEC  
CLASS M 20/20/20  
CLASS X 01/01/01  
PROTON 01/01/01  
PCAF GREEN  
IV. OTTAWA 10.7 CM FLUX  
OBSERVED 26 DEC 78  
PREDICTED 27-29 DEC 77/76/76  
90-DAY MEAN 26 DEC 91  
V. GEOMAGNETIC A INDICES  
OBSERVED FREDERICKSBURG 25 DEC 06  
ESTIMATED AFR/AP 26 DEC 14/14  
PREDICTED AFR/AP 27-29 DEC 14/20 - 12/15 - 12/15  
SOLTERWARN

HFUS BOU 272200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 361

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY  
ISSUED 2200Z 27 DEC 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW. REGION 539 (N05 W56)  
PRODUCED AN IMPORTANCE IN CLASS C3 FLARE AT 27/0017Z. NO ACTIVITY  
OF SIGNIFICANCE HAS BEEN REPORTED SINCE THAT TIME. THE ACTIVE REGION  
FILAMENTS ASSOCIATED WITH 539 HAVE NOT REFORMED.

IB. SOLAR ACTIVITY IS EXPECTED TO BE VERY LOW. UNLESS THE FILAMENTS  
REFORM IN 532 THERE IS LITTLE CHANCE OF EVEN MODERATELY ENERGETIC  
ACTIVITY. NO REGIONS ARE DUE TO RETURN DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN GENERALLY QUIET BUT WITH  
INTERMITTENT PERIODS OF INTENSE SUBSTORM ACTIVITY. SUCH A PATTERN  
IS EXPECTED TO PERSIST THE NEXT 72 HOURS.

III. EVENT PROBABILITIES 28 - 30 DEC

CLASS M 15/15/15

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 27 DEC 77

PREDICTED 28 - 30 DEC 76/76/75

90-DAY MEAN 27 DEC 90

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 26 DEC 06

ESTIMATED AFR/AP 27 DEC 14/20

PREDICTED AFR/AP 28 - 30 DEC 12/15 - 12/15 - 12/15

SOLTERWARN

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