

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
SDF 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 AEGWC/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 1N 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

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