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KBOU

HFUS 1 BOU 250450

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 206A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 25 JULY 1975

I.A. SOLAR ACTIVITY REMAINS VERY LOW WITH NO FLARES REPORTED SINCE THE 24/1442Z FLARE IN RGN 614 (N07E30). THIS FLARE WAS ACCCOMPANIED BY TYPES THREE AND TWO RADIO BURSTS BUT ITS XRAY CLASS WAS LESS THAN C1. NO GROWTH HAS BEEN REPORTED IN ANY RGN DURING THE PAST EIGHT HOURS.

I.B. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THE FORECAST PERIOD.

II. THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED DURING THE PAST EIGHT HOURS. THE FIELD IS EXPECTED TO BE QUIET TO UNSETTLED EARLY IN THE FORECAST PERIOD BECOMING ACTIVE ON 26 JULY AS RE-CURRENT ACTIVITY RETURNS.

III. EVENT PROBABILITIES 25 JULY - 27 JULY

CLASS M 05/05/05

CLASS X 01/01/01

PPOTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 JULY 77

PREDICTED 25 JULY - 27 JULY 75/75/74

90-DAY MEAN 24 JULY 72

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 JULY 07

ESTIMATED AFR/AP 24 JULY 08/08

PREDICTED AFR/AP 25 JULY - 27 JULY 07/07 - 18/20 - 18/20

SOLTERWARN

BT

HFUS 1 BOU 251430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 206B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 25 JULY 1975

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST 16 HOURS.
TWO SMALL C-CLASS SUBFLARES HAVE BEEN REPORTED; ONE FROM REGION 615
(N09E08) AT 25/0702Z AND THE OTHER FROM REGION 609 (S04W78) AT
0818Z. REGION 615 IS GROWING AGAIN, AFTER HAVING STABILIZED
YESTERDAY.

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW. ALL REGIONS
CURRENTLY POSSESS LITTLE ENERGETIC FLARE POTENTIAL. WHILE REGION
615 IS GROWING, IT STILL HAS A SIMPLE BIPOLAR MAGNETIC CONFIGURATION.

II. THE GEOMAGNETIC FIELD BECAME ACTIVE DURING THE PAST 16 HOURS.
A LARGE SUBSTORM BEGAN AT 25/0800Z RESULTING IN A MID-LATITUDE
K-VALUE OF SIX. ACTIVITY IS EXPECTED TO BE SHORT-LIVED, RETURNING
TO UNSETLED LEVELS BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 25-27 JULY

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 24 JULY 77

PREDICTED 25-27 JULY 75/75/74

90-DAY MEAN 24 JULY 72

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 23 JULY 07

ESTIMATED AFR/AP 24 JULY 06/07

PREDICTED AFR/AP 25-27 JULY 25/31 - 18/20 - 12/12

SOLTERWARN

BT

GEOALERT WWA206 250300

91224 10520 20770 30080 40080

37004 00000 13207 01000 11609 00000

80625 77773 37004 QUIET 13207 QUIET

11609 QUIET

SOLQUIET MAGALERT RECURRENCE 26/28

FIN

SOLTERWARN

HXUS BOU 252200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER, CO

SDF NUMBER 206

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 2200Z 25 JULY 1975

IA. SOLAR ACTIVITY HAS BEEN VERY LOW. ONLY SMALL C-CLASS SUBFLARES HAVE BEEN REPORTED, MOSTLY FROM REGION 615 (N07E02) WHICH IS STILL GROWING SLOWLY. OTHER REGIONS APPEAR QUIET AND STABLE

IB. SOLAR ACTIVITY IS EXPECTED TO CONTINUE LOW. NO ENERGETIC ACTIVITY IS EXPECTED UNLESS REGION 615 EXPERIENCES CONSIDERABLE GROWTH AND COMPLICATION.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED UNTIL 25/0800Z WHEN A LARGE SUBSTORM BEGAN AT BOULDER. MID-LATITUDE K-VALUES OF 6 AND HIGH LATITUDE K-VALUES OF 8 RESULTED FROM THIS SUBSTORM. ALASKAN AURORAL RADAR INDICATED A STRONG ARC SOUTH OF COLLEGE, ALASKA FROM 25/1330Z TO 1530Z. THE MAGNETIC FIELD DISTURBANCE IS EXPECTED TO BE SHORT-LIVED. THE FIELD SHOULD BECOME UNSETTLED TO QUIET BY THE END OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 26 JULY - 28 JULY 1975

CLASS M* 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 25 JULY 77

PREDICTED 26 -28 JULY 77/76/76

90-DAY MEAN 25 JULY 72

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 24 JULY 06

ESTIMATED AFR/AP 25 JULY 25/54

PREDICTED AFR/AP 26-28 JULY 18/20 - 12/12 - 08/10

SOLTERWARN

BT