

HFUS 1 BOU 070500

FORM SPACE ENVIRONMENT SERVICES CENTER BOULDER, COLO

SDF NUMBER 280A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 0500Z 07 OCTOBER 1975

IA. SOLAR ACTIVITY CONTINUES SANS EVENTS AND WITH MINIMAL FLUX LEVELS. THE ONLY SUNSPOT REGION (657) AT N33 AND CENTRAL MERIDIAN HAS CEASED FLUCTUATING AND REDUCED ITS SUNSPOT COUNT. A CORONAL HOLE IS INDICATED AT N15-S15 W45 BY ANALYSIS OF H-ALPHA MAGNETIC PATTERNS AND 10830A OBSERVATIONS. THIS IS THE SOURCE POSITION OF A HIGH-SPEED SOLAR WIND STREAM NOW AFFECTING THE GEOMAGNETIC FIELD.

IB. NO SIGNIFICANT CHANGE IN ACTIVITY IS EXPECTED. A SLIGHT DROP IN FLUX IS EXPECTED AS A LARGE OLD ACTIVE AREA PASSES OVER WEST LIMB.

II. ACTIVE GEOMAGNETIC CONDITIONS RESUMED AT 0000Z AFTER BEING UNSETTLED LATE YESTERDAY. ACTIVE NIGHTTIME CONDITIONS AND UNSETTLED DAYTIME CONDITIONS ARE EXPECTED THROUGHOUT THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 07 - 09 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 OCT 75

PREDICTED 07 - 09 OCT 74/73/73

90-DAY MEAN 06 OCT 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 OCT 06

ESTIMATED AFR/AP 06 OCT 20/25

PREDICTED AFR/AP 07 - 09 OCTOBER 23/28 - 23/25 - 20/20

SOLTERWARN

BT

HFUS 1 BOU 071430

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER 280B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1430Z 07 OCT 75

IA. SOLAR ACTIVITY REMAINS VERY LOW. REGION 657 (N33 W04) REMAINS
STABLE AND INACTIVE.

IB. SOLAR ACTIVITY WILL REMAIN VERY LOW. A CORONAL HOLE IS INDICATED
AT N15-S15 W52 BY ANALYSIS OF H-ALPHA MAGNETIC PATTERNS AND 10830A
OBSERVATIONS. THIS IS THE SOURCE POSITION OF A HIGH-SPEED SOLAR
WIND STREAM NOW AFFECTING THE GEOMAGNETIC FIELD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH MINOR MAG STORM
CONDITIONS EXHIBITED AT BOULDER FROM 03-12Z. UNSETTLED TO ACTIVE
LOCAL DAYLIGHT AND ACTIVE LOCAL NIGHT TIME CONDITIONS ARE EXPECTED
FOR THE FORECAST PERIOD.

III. EVENT PROBABILITIES 07 - 09 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 06 OCT 75

PREDICTED 07 - 09 OCT 74/73/73

90-DAY MEAN 06 OCT 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 05 OCT 06

ESTIMATED AFR/AP 06 OCT 20/25

PREDICTED AFR/AP 07 - 09 OCT 29/38 - 23/25 - 20/20

SOLTERWARN

BT

GEOALERT WWA 280 070300

91206 10110 20750 30201 49960

10333 00000

GRADUAL COMMENCEMENT 06/0500Z

80607 77773 10333 QUIET

SOLQUIET MAGALERT MINOR 07/09

FIN

SOLTERWARN

HFUS I BOU 072200
FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 280

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 07 OCTOBER 1975

IA. REGION 657 (N32W08) REMAINS QUIET AND STABLE IN ITS STRUCTURE.
HOWEVER, THE REGION PRODUCED A SN/C0 FLARE AT 07/2027Z.

IB. SOLAR ACTIVITY WILL REMAIN VERY LOW. A CORONAL HOLE IS IN-
DICATED AT N15-S15 W57 BY ANALYSIS OF H-ALPHA MAGNETIC PATTERNS
AND 10830A OBSERVATIONS. THIS IS THE SOURCE POSITION OF A HIGH-
SPEED SOLAR WIND STREAM AFFECTING THE GEOMAGNETIC FIELD.

II. THE GEOMAGNETIC FIELD HAS BEEN ACTIVE WITH MINOR STORM CONDITIONS
EXISTING AT BOULDER FROM 0300Z TO 1200Z. OVERALL, THE FIELD IS EXPECTED
TO REMAIN ACTIVE FOR THE FORECAST PERIOD, WITH SUPPRESSION OF THE
DISTURBANCE AT MID-LATITUDES DURING LOCAL DAYLIGHT HOURS.

III. EVENT PROBABILITIES 08 - 10 OCT

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 OCT 74

PREDICTED 08 - 10 OCT 73/73/72

90-DAY MEAN 07 OCT 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 06 OCT 20

ESTIMATED AFR/AP 07 OCT 25/38

PREDICTED AFR/AP 08 - 10 OCT 21/25 - 20/20 - 18/20

SOLTERWARN

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