

WFUS 1 BOU 071301

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO

SDF NUMBER 158A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 1200UT 07 JUNE 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/1200UT
TO 07/1200UT:

SOLAR ACTIVITY CONTINUED VERY LOW DURING THE PAST 24 HOURS WITH
ONLY LOW LEVEL C-CLASS X-RAY EVENTS OBSERVED. REGIONS 3145
(S09E12) AND 3154 (S09W84) PRODUCED THE ONLY REPORTED OPTICAL
EVENTS, BOTH SUBNORMAL FLARES. NEW ENHANCED PLAGE AND SURGING HAS
BECOME VISIBLE AT N03, EAST LIMB BUT DOES NOT APPEAR VERY DYNAMIC.
AT THIS TIME. MINOR GROWTH IN REGION 3145 ALONG WITH 3140 (N24W36)
HAS BEEN REPORTED.

IP. SOLAR ACTIVITY FORECAST:

LOW SOLAR ACTIVITY IS EXPECTED DURING THE FORECAST PERIOD; HOWEVER
A VERY GRADUAL INCREASE IN SOLAR ACTIVITY PARAMETERS SUCH AS 10.7
CM RADIO FLUX IS EXPECTED DUE TO DEVELOPMENT ON THE DISK AND AT
EAST LIMB.

II. GEOPHYSICAL SUMMARY AND FORECAST:

THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED DURING THE PAST
24 HOURS WITH THE 03-09Z PERIOD INCREASING TO THE ACTIVE CATEGORY.
RECURRENCE SUGGESTS THAT THESE ACTIVE CONDITIONS SHOULD LAST FOR
AT LEAST ANOTHER 24 HOURS.

III. EVENT PROBABILITIES: 08 JUNE - 10 JUNE

CLASS M 15/15/20

CLASS X 01/01/01

PROTON 01/01/01

SCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 06 JUNE 137

ESTIMATED 07 JUNE 140

PREDICTED 08 JUNE - 10 JUNE 145/150/155

V. GEOMAGNETIC A INDICES

OBSERVED AFR 05 JUNE 06 AP 06 JUNE 13

ESTIMATED AFR 06 JUNE 12 AFR/AP 07 JUNE 22/28

PREDICTED AFR/AP 08 JUNE - 10 JUNE 15/15 12/12 10/12

SOLTERWARN

BT

HFUS 3 80U 072200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLORADO

SDF NUMBER ~~185B~~ 158B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200 UT 07 JUNE 1981

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 07/1200 UT
TO 07/2200 UT: SOLAR ACTIVITY HAS BEEN VERY LOW SINCE 07/1200 UT.
THERE WERE NO EVENTS. REGIONS 3145 (S08E06) AND 3152 (N11E56) GREW
SIGNIFICANTLY AND CURRENTLY POSSESSES POTENTIAL FOR C-CLASS X-RAY
EVENTS. TWO NEW REGIONS WERE NUMBERED TODAY, 3155 (N25W43) AND
3156 (N04E03).

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO BE LOW
FOR THE FORECAST PERIOD.

II. GEOPHYSICAL SUMMARY AND FORECAST: THE GEOMAGNETIC FIELD HAS
BEEN AT ACTIVE TO MINOR STORM LEVELS THIS ZULU DAY. ACTIVE PERIODS
ARE EXPECTED ON 08 JUNE, FOLLOWED BY UNSETTLED CONDITIONS FOR THE
REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 08 JUNE - 10 JUNE.

CLASS M 15/15/20

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 JUNE 142

PREDICTED 08-10 JUNE 145/150/155

90-DAY MEAN 07 JUNE 201

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 JUNE 12/13

ESTIMATED AFR/AP 07 JUNE 32/32

PREDICTED AFR/AP 08-10 JUNE 15/15 - 12/12 - 10/12

SOLTERWARN

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