

HFUS3 BOU 202200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 354

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 20 DEC 1985

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 19/2100 TO 20/2100Z: SOLAR ACTIVITY HAS BEEN VERY LOW FOR THE PAST 24 HOURS. REGION 4708 (N32W74) CONTINUES TO DECAY. THERE WERE ONLY TWO REPORTS OF SPOTS IN THE REGION AND THOSE WERE AS AN AXX GROUP. THE REGION HAS CONTINUED TO HAVE SPORADIC FLARES. REGION 4709 (S10W52) HAS LOST SEVERAL DEGREES IN EXTENT AND IS NOW A CSO-7 SPOT GROUP. IT HAS REMAINED STABLE AND QUIET. THE REMAINDER OF THE DISK AND LIMBS ARE QUIET.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY WILL CONTINUE TO BE VERY LOW FOR THE NEXT THREE DAYS.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 19/2100Z TO 20/2100Z: THE GEOMAGNETIC FIELD HAS BEEN GENERALLY UNSETTLED TO ACTIVE FOR THE PAST 24 HOURS WITH BRIEF MINOR STORM CONDITIONS OCCURRING. THE LAST STORM PERIOD OCCURRED BETWEEN 0300-0600 UT 20 DEC.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE FOR THE FORECAST PERIOD WITH THE POSSIBILITY OF THE FIELD INCREASING TO HIGH ACTIVE LEVELS ON 22 DECEMBER.

NOTICE NOTICE NOTICE NOTICE--- GOES 6 IS THE PRIMARY SATELLITE BEING MONITORED BY THE SESC AND ALL REFERENCES TO SATELLITE DATA ARE BASED ON THE OBSERVATIONS FROM GOES 6 EFFECTIVE 0000Z 20 DEC 1985.

III. EVENT PROBABILITIES 21 DEC-23 DEC

CLASS M 01/01/01

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 20 DEC 080

PREDICTED 21 DEC-23 DEC 080/079/079

90 DAY MEAN 20 DEC 075

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 19 DEC 023/055

ESTIMATED AFR/AP 20 DEC 017/018

PREDICTED AFR/AP 21 DEC-23 DEC 010/015-015/020-010/015

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FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
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ESTIMATED AFR/AP 21 DEC 017/018

PREDICTED AFR/AP 22 DEC-24 DEC 010/015-015/020-010/015

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