

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 344

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 10 DEC 1983

JAS

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 09/2100Z
TO 10/2100Z: SOLAR ACTIVITY HAS REMAINED LOW. REGIONS 4372
(S13E01) AND 4375 (N12W39) NOT ONLY HAVE STABILIZED THEIR
GROWTH BUT HAVE HAD A SLIGHT DECAY. REGION 4376 (S15E09) HAS
CONTINUED TO GROW AND ADD ADDITIONAL SUNSPOTS. SLIGHT GROWTH
HAS ALSO OCCURRED IN REGION 4374 (N22E52). HOWEVER, ALL REGIONS
REMAIN SIMPLE IN MAGNETIC STRUCTURE. REGION 4377 (N26E68) WAS
ADDED TODAY.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO
REMAIN LOW.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 09/2100Z TO 10/2100Z:
THE GEOMAGNETIC FIELD WAS QUIET THROUGH 0600Z AND ACTIVE SINCE
THEN WITH AURORAL OVAL STATIONS AT STORM LEVEL.

IIB. GEOPHYSICAL ACTIVITY FORECAST: SHORT PERIODS OF UNSETTLED
OR STORM LEVEL CONDITIONS ARE EXPECTED TO BE interspersed in a
GENERALLY ACTIVE GEOMAGNETIC FIELD.

III. EVENT PROBABILITIES 11 DEC-13 DEC

CLASS M 05/05/25

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 10 DEC 111

PREDICTED 11 DEC-13 DEC 112/113/114

92 DAY MEAN 10 DEC 104

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 09 DEC 002/005

ESTIMATED AFR/AP 10 DEC 019/022

PREDICTED AFR/AP 11 DEC-13 DEC 012/022-018/025-015/022

SOLTERWARN

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