

HFUS 3 BOU 172200  
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 017  
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 2200Z 17 JAN 1984  
IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 16/2100  
TO 17/2100Z: SOLAR ACTIVITY HAS BEEN LOW THIS PERIOD. EVENTS  
HAVE BEEN LIMITED TO B LEVEL X-RAY FLARES, MINOR RADIO BURSTS  
AND OPTICAL SUBFLARES. REGION 4393 (S16E60) HAS DECAYED  
SLIGHTLY AND IS NOW AN E TYPE SPOT GROUP. THE MAGNETIC  
CONFIGURATION OF THIS REGION IS STILL BETA GAMMA. REGIONS 4392  
(S13W34) AND 4394 (S04E60) HAVE SPOT CLASSIFICATIONS OF HAX AND  
CSO, RESPECTIVELY. THESE REGIONS APPEAR STABLE AND ARE NOT  
EXPECTED TO PRODUCE SIGNIFICANT ACTIVITY. ONE NEW REGION WAS  
NUMBERED THIS PERIOD, 4395 (S16E67), AN H TYPE SPOT GROUP. THE  
REST OF THE DISK APPEARS STABLE AT THIS TIME.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO  
REMAIN LOW THROUGHOUT THE FORECAST PERIOD. ISOLATED M CLASS  
X-RAY FLARES ARE STILL POSSIBLE IF THERE ARE SIGNIFICANT  
CHANGES IN REGION 4393.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 16/2100Z TO 17/2100Z:  
THE GEOMAGNETIC FIELD HAS BEEN QUIET TO UNSETTLED AT ALL  
LATITUDES THIS PERIOD.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD  
SHOULD BE UNSETTLED AT MIDLATITUDES AND UNSETTLED TO ACTIVE AT  
HIGH LATITUDES THROUGHOUT THE FORECAST PERIOD.

III. EVENT PROBABILITIES 18 JAN-20 JAN

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 JAN 098

PREDICTED 18 JAN-20 JAN 097/096/096

90 DAY MEAN 17 JAN 094

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 16 JAN 005/008

ESTIMATED AFR/AP 17 JAN 007/010

PREDICTED AFR/AP 18 JAN-20 JAN 010/010-010/015-010/015

SOLTERWARN

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