

HFUS 3 BOU 072200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 311

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200Z 07 NOV 1983

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 06/2100 TO 07/2100Z: SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. REGION 4355 (S10E28) PRODUCED THE LARGEST EVENT OBSERVED A C5/SB AT 1954UT ONLY MINOR RADIO WAS RECORDED, 17 FLUX UNITS AT 2695MHZ, WITH THIS EVENT. ALTHOUGH REGION 4355 HAS PRODUCED ALL OF THE OPTICAL EVENTS THIS PERIOD IT IS REPORTED TO BE IN A STATE OF SLOW DECAY. NEW REGION OBSERVED TODAY HAS BEEN NUMBERED 4359 (S19E66) IT IS A SIMPLE "C" TYPE GROUP. THE REST OF THE REGIONS HAVE BEEN GENERALLY REPORTED AS STABLE.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO CONTINUE AT A LOW LEVEL DURING THIS FORECAST PERIOD. REGION 4355 MAY, IF RAPID CHANGE OCCURS, PRODUCE AN ISOLATED "M" CLASS EVENT HOWEVER IT DOES SEEM UNLIKELY.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 06/2100Z TO 07/2100Z: THE GEOMAGNETIC FIELD WAS AT QUIET TO ONLY SLIGHTLY UNSETTLED LEVELS UNTIL 1500UT WHEN THE MID-LATITUDE SITES RECORDED ACTIVE CONDITIONS WHILE THE HIGH LATITUDE SITES OBSERVED A SHORT PERIOD AT MINOR STORM LEVELS.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE AT ACTIVE CONDITIONS, WITH SHORT PERIODS OF MINOR STORM, DURING THIS FORECAST PERIOD.

III. EVENT PROBABILITIES 08 NOV-10 NOV

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 07 NOV 111

PREDICTED 08 NOV-10 NOV 112/113/111

90 DAY MEAN 07 NOV 112

V. GEOMAGNETIC A INDICES

OBSERVED AFR/AP 06 NOV 002/006

ESTIMATED AFR/AP 07 NOV 012/015

PREDICTED AFR/AP 08 NOV-10 NOV 017/020-025/025-025/025

SOLTERWARN

BT