

HFUS 1 BOU 012200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 305

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 NOVEMBER 1978

IA. SOLAR ACTIVITY HAS BEEN LOW DURING THE PAST 24 HOURS. SEVERAL SMALL CLASS C X-RAY EVENTS WERE OBSERVED IN REGIONS 1374 (S23E32) AND 1366 (S17W47). AT 1339Z A C9/1B FLARE WAS OBSERVED IN REGION 1370 (N21W61) REGION HAD SHOWN DECAY IN BOTH SPOTS AND H-ALPHA FLARE. REGIONS 1373 (S11E06) AND 1374 HAVE BOTH SHOWN RAPID GROWTH WITH ARCH FILAMENTS THIS PERIOD, WITH 1374 NOW E-TYPE BETA GAMMA WITH ISOLATED POLES NORTH OF LEADER AND IN TRAILER AREA. THE SMALL SPOTS THAT HAVE FORMED EAST OF MAIN SPOT IN REGION 1366, ARE OF LEADER POLARITY GIVING REGION A ALPHA MAGNETIC CLASS. NEW REGION 1379 (N14W05) WITH STRONG ARCH FILAMENTS HAS UNDER GONE RAPID GROWTH AND IS NOW D-TYPE BETA WITH 16 SPOTS.

IB. SOLAR ACTIVITY WILL BE LOW-MODERATE DURING THE FORECAST PERIOD. REGIONS 1370, 1374 AND 1379 COULD PRODUCE AN ENERGETIC EVENT. RETURNING REGIONS 1340, 1344, 1346 AND 1335 ARE DUE BACK THRU 04 NOVEMBER AND PRODUCED A TOTAL 46 FLARES.

II. THE GEOMAGNETIC FIELD WAS UNSETTLED TO ACTIVE THROUGH THE LAST 24 HOURS. EXPECT FIELD TO BE GENERALLY UNSETTLED THRU 03 NOVEMBER.

III. EVENT PROBABILITIES 02 NOVEMBER - 04 NOVEMBER

CLASS M 30/30/30

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 NOVEMBER 154

PREDICTED 02-04NOVEMBER 158/162/166

90-DAY MEAN 01 NOVEMBER 146

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 OCTOBER 18

ESTIMATED AFR/AP 01 NOVEMBER 12/12

PREDICTED AFR/AP 02-04 NOVEMBER 08/10 - 06/08 - 06/06

SOLTERWARN

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SDF NUMBER 305

JOINT USAF/NOAA PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 01 NOVEMBER 1979

IA. SOLAR ACTIVITY WAS LOW DURING THE LAST 24 HOURS, WITH NO M-CLASS
X-RAY FLARES OBSERVED. THE LARGEST OBSERVED EVENT WAS A C8/SB FROM
REGION 2082 (N10W82) AT 0813Z. REGIONS 2084 (N18E05) AND 2090 HAVE
NOT CHANGED SIGNIFICANTLY AND HAVE BEEN RELATIVELY QUIET.

IB. SOLAR ACTIVITY WILL REMAIN LOW FOR THE NEXT 24 HOURS. NO REGION
PRESENTLY ON THE DISK HAS A VERY HIGH POTENTIAL FOR MAJOR FLARE
ACTIVITY, ALTHOUGH REGION 2084 (N18E05) BEARS WATCHING FOR THE NEXT
FEW DAYS.

II. GEOMAGNETIC ACTIVITY INCREASED TO UNSETTLED AND OCCASIONALLY
ACTIVE LEVELS DURING THE PAST 24 HOURS. HIGH ACTIVE LEVELS ARE
EXPECTED ON 02 NOV.

III. EVENT PROBABILITIES 02-04 NOV

CLASS M 50/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 01 NOV 214

PREDICTED 02-04 NOV 214/214/214

90-DAY MEAN 01 NOV 201

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 31 OCT 02

ESTIMATED AFR/AP 01 NOV 14/13

PREDICTED AFR/AP 02-04 NOV 25/25 15/15 15/15

SOLTERWARN

BT