

HFUS 3 BOU 29 14 16

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SOF NUMBER 335A

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.  
ISSUED 1200UT 30 NOVEMBER 1980

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS WITH ONLY  
CLASS C FLARES OBSERVED. REGION 2814 (S07E06), A SPOTLESS DE-  
CLAYING FLARE, PRODUCED A C2/1N FLARE AT 30/0117Z. REGION 2810  
(S10E42) PRODUCED SEVERAL SMALL FLARES AND CONTINUES TO GROW (W)  
WITH A SPOT GROUP OF CLASS/AREA E/600. REGION 2812 (N16E23)  
CONTINUES RAPID GROWTH, IT NOW HAS A SPOT GROUP OF CLASS/AREA  
E/400 AND COMPACT BRIGHT FLARE. THREE NEW REGIONS HAVE BEEN  
NUMBERED. REGION 2815 (N19E24) DEVELOPED ON THE DISK TO A  
C TYPE SPOT GROUP. REGIONS 2816 (S09E53) AND 2817 (S19E81)  
APPEAR TO BE RETURNING REGIONS 2777 AND 2782 PRESECTIVELY. BOTH  
OF THESE REGIONS WERE MODERATELY ACTIVE ON THE LAST ROTATION AND  
HAVE PRODUCED THREE SMALL SUBFLARES TODAY.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE DURING THE FOREC-  
CAST PERIOD WITH CONTINUED ACTIVITY IN REGIONS 2810, 2812, 2816  
AND 2817. OLD REGION 2779, WHICH WAS VERY ACTIVE ON ITS LAST  
ROTATION, WILL RETURN ON 02 DEC.

II. THE GEOMAGNETIC FIELD HAS BEEN UNSETTLED THE PAST 24 HOURS  
AND IS EXPECTED TO REMAIN UNSETTLED FOR THE NEXT THREE DAYS.

III. EVENT PROBABILITIES: 01-03 DEC

CLASS M 40/50/50

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 FLUX

OBSERVED 29 NOV 220

ESTIMATED 30 NOV 222

PREDICTED 01-03 DEC 226/232/238

90 DAY MEAN 29 NOV 204

V. GEOMAGNETIC A INDICES

OBSERVED AFR 28 NOV 13 AP 29 NOV 16

ESTIMATED AFR 29 NOV 13 AFR/AP 30 NOV 10/10

PREDICTED AFR/AP 01-03 DEC 10/10 12/13 12/15

SOLTERWARN

BT

HFWS 1 BOU 302200

FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO  
SDF NUMBER 335B

JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.

ISSUED 2200UT 30 NOV 1980

IA. SOLAR ACTIVITY HAS BEEN LOW THE PAST 24 HOURS WITH ONLY CLASS C FLARES OBSERVED. REGION 2814 (S07E06), A SPOTLESS DECAYING FLARE, PRODUCED A C2/1N FLARE AT 30/0117Z. REGION 2810 (S10E42) PRODUCED SEVERAL SMALL FLARES AND CONTINUES TO GROW WITH A SPOT GROUP OF CLASS/AREA E/600. REGION 2812 (N16W23) CONTINUES RAPID GROWTH, IT NOW HAS A SPOT GROUP OF CLASS/AREA E/400 AND COMPACT BRIGHT FLARE. THREE NEW REGIONS HAVE BEEN NUMBERED. REGION 2815 (N19E24) DEVELOPED ON THE DISK TO A C TYPE SPOT GROUP. REGIONS 2816 (S09E53) AND 2817 (S19E81) APPEAR TO BE RETURNING REGIONS 2777 AND 2782 RESPECTIVELY. BOTH OF THESE REGIONS WERE MODERATELY ACTIVE ON THE LAST ROTATION AND HAVE PRODUCED THREE SMALL SUBFLARES TODAY. ADDITION TO 1200 UT PART IA: REGION 2812 HAS INCREASED ITS AREA TO 800 MILLIONTHS. 2810 PRODUCED ANOTHER FLARE (C4/1B) AT 2024UT.

IB. SOLAR ACTIVITY IS EXPECTED TO INCREASE DURING THE FORECAST PERIOD WITH CONTINUED ACTIVITY IN REGIONS 2810, 2812, 2816 AND 2817. OLD REGION 2779, WHICH WAS VERY ACTIVE ON ITS LAST ROTATION, WILL RETURN ON 02 DEC.

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OBSERVED AFR/AP 29 NOV 12/16

ESTIMATED AFR/AP 30 NOV 10/15

PREDICTED AFR/AP 01-03 DEC 10/10 12/10 12/15

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