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FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO
SDF NUMBER 325 ISSUED 2200Z 21 NOV 1971
A CLASS M FLARE IS EXPECTED.
A. A LOW LEVEL OF SOLAR ACTIVITY HAS PREVAILED DURING THE
PAST 24 HOURS, AND ONLY CLASS C FLARES HAVE BEEN REPORTED.
OCCASIONAL SUBFLARES HAVE OCCURRED IN NEW D-TYPE REGIONS 354
(S18E76) AND 355 (N14E85). BOTH OF THESE REGIONS CONTAIN
BRIGHT PLAGE AND SPOTS THAT APPEAR TO BE DEVELOPING. REGION
353 (S10E76) IS ANOTHER NEW D-TYPE REGION, BUT ITS PLAGE
APPEARS RELATIVELY STABLE. REGION 342 (S12W30) HAS SHOWN
LITTLE RECENT CHANGE, BUT SPOTS OF MIXED POLARITIES ARE
PRESENT IN THE EASTERN END OF REGION 348 (CENTERED AT
S12W39). THE REGION BETWEEN THE MAIN SPOT OF REGION 342 AND
REGION 348 CONTAINS COMPLEX MAGNETIC FIELDS IN AN ABNORMAL
CONFIGURATION. DEVELOPMENT OF PLAGE HAS OCCURRED SOUTHWEST
OF REGION 342, AND REGIONS 342 AND 348 ARE NOW CONNECTED
BY BRIGHT PLAGE CONTAINING ABSORPTION FEATURES. REGION 340
HAS REDEVELOPED WITH AN A-TYPE SPOT AT N10W67, AND A FEW SUB-
FLARES HAVE OCCURRED THERE. OTHER CENTERS ARE UNIMPRESSIVE.
THE GEOMAGNETIC FIELD HAS REMAINED QUIET EXCEPT FOR UNSETTLED
CONDITIONS DURING THE INTERVAL 21/0800-1200Z.
B. SOLAR ACTIVITY PROBABLY WILL INCREASE AS REGIONS 342, 348,
353, AND 355 DEVELOP. SUSTAINED DEVELOPMENT IN THE 342-348
COMPLEX WILL INCREASE THE PROBABILITY OF A MAJOR FLARE.
REGIONS 354 AND 355 PROBABLY WILL PRODUCE SPORADIC SMALL CLASS
M EVENTS. THE GEOMAGNETIC FIELD IS EXPECTED TO REMAIN QUIET
UNTIL 24 NOV, WHEN UNSETTLED CONDITIONS ARE ANTICIPATED.
C. EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING
22 NOV/0000Z ENDING 24 NOV/2400Z.
CLASS M OR GREATER 65/70/70
CLASS X   05/05/05
PROTON EVENT   07/10/07
D. OTTAWA 10.7 CM FLUXES FOR 21/1400Z, 1700Z AND 2000Z WERE 118,
119, AND 117. PREDICTED 10.7 CM FLUXES FOR 22-24 NOV ARE 119/121/122.
E. MAGNETIC A-FREDERICKSBURG FOR 20 NOV WAS 04. FOR 21 NOV ABOUT
06. PREDICTED AP FOR 22-24 NOV ARE 05/07/12.
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