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PP KGFF

DE BOU 061720Z

HERE IS THE MSG FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO
SDF NUMBER 253A ISSUED 1700Z 06 MAY 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 12 HOURS.

A. CLASS M FLARES OCCURRED 05/0228Z IMP SUB BRIGH IN REGION NEAR S13E19, 06/0235Z IMP ONE BRIGHT IN REGION NEAR S32E60, AND 06/0635Z IMP ONE BRIGHT IN REGION NOW MAKING WEST LIMB TRANSIT NEAR N73. THE 06/0235Z AND 06/0635Z HAD SIGNIFICANT ASSOCIATED SURGE/SPLASH EVENTS AND POSSIBLE LOOP PROMINENCES WERE REPORTED ON THE NW LIMB FOLLOWING THE LATTER FLARE. THE 06/0235Z FLARE HAD AN ASSOCIATED 338 FLUX UNIT COMPLEX RADIO BURST AT 10CM. NO SIGNIFICANT CHANGES HAVE BEEN REPORTED IN DISK FEATURES. WEATHER IS HAMPERING OPTICAL OBSERVATIONS AT MOST OBSERVATORIES. THE GEOMAGNETIC FIELD HAS BEEN QUIET.

B. THE REGIONS NEAR S13E19 AND S32E60 ARE EXPECTED TO CONTINUE TO PRODUCE SMALL CLASS M FLARES. ACTIVITY SHOULD START TO INCREASE ON 07 OR 08 MAY AS A GROUP OF OLD ACTIVE REGIONS BEGINS TO RETURN IN THE NE. DATA FROM THE PIONEER V1 SPACECRAFT INDICATE THAT THESE REGIONS HAVE PROBABLY BEEN ACTIVE DURING THE PAST TEN DAYS.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 06/1700Z ENDING 09/1700Z.

CLASS M OR GREATER 70/70/80

CLASS X 10/10/10

PROTON EVENTS 10/10/10

D. OTTAWA 10.7 CM FLUX TODAY IS 136. PREDICTED 140/145/150.

E. KP ESTIMATED FOR 1200-1500Z WAS 1. KP FORECAST FOR NEXT 24 HOURS PER KP 15.3 1/1/1/1/1/1/1.

SOLARWARN

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DE BOU 062300Z

THIS IS THE MESSAGE FOR REFILE

FROM SPACE DISTURBANCE FORECAST CENTEP ESSA BOULDER COLO
SDF NUMBER 253B ISSUED 2300Z 06 MAY 1969

CLASS M FLARES ARE EXPECTED DURING THE NEXT 18 HOURS.

A. ONLY ONE SUBFLARE HAS BEEN REPORTED DURING THE PAST 6 HOURS,
PROBABLY DUE TO THE FACT THAT WEATHER HAS SEVERELY HAMPERED VISUAL
OBSERVATIONS AT ALMOST ALL OBSERVATORIES. HOWEVER, INDIRECT SENSORS
AT BOULDER HAVE DETECTED NO SIGNIFICANT FLARE EFFECTS. ON 05 MAY
BETWEEN 0900 AND 1045Z THE CANARY ISLANDS OBSERVATORY REPORTED A
LONG DURATION BRIGHTENING INVOLVING ALMOST THE ENTIRE PLAGE ASSOCIA-
TED WITH THE REGION NOW COMPLETING WEST LIMB PASSAGE NEAR N08.

SIMULTANEOUSLY WITH THIS PLAGE BRIGHTENING, THE SOLRAD 9 SATELLITE
DETECTED A GRADUAL RISE AND FALL IN X-RAY FLUX WHICH LASTED ABOUT
13 HOURS. THE FLUX IN THE 1-8 ANGSTROM BAND REACHED A PEAK LEVEL
1000 PERCENT ABOVE THE PRE-EVENT LEVEL AND BARELY MISSED REACHING
THE THRESHOLD FOR CLASS M EVENTS. THE SHARP JUMP EXHIBITED BY THE
OTTAWA 10.7 CM FLUX ON 05 MAY WAS PROBABLY CAUSED BY TEMPORARY
CORONAL HEATING ASSOCIATED WITH THESE EVENTS.

SECTIONS B C AND D REMAIN UNCHANGED FROM SDF 253A.

E. MAGNETIC A-FREDERICKSBURG FOR 05 MAY WAS 10. FOR 06 MAY ABOUT 12.
PREDICTED AP FOR 07-09 MAY 10/10/12.

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