

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 507A ISSUED 0400Z 15 JAN 1970

INFREQUENT CLASS M FLARES ARE EXPECTED THESE NEXT 13 HOURS.

A. ALTHOUGH THE DISK IS CURRENTLY DOTTED BY TWELVE OR MORE SMALL GROUPS, ACTIVITY REMAINS LOW. BOTH LIMBS ARE QUIET, AND THE MOST RECENT GROUP TO APPEAR - NEAR S08E73 - HAS A FAINT HYDROGEN PLAGE ASSOCIATED WITH IT.

B. THE S10W16 AND S08E30 REGIONS ARE CURRENTLY THE MOST FAVORABLE FOR OCCASIONAL CLASS M FLARE PRODUCTION.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15 JAN/0400Z ENDING 18/0400Z

CLASS M OR GREATER 60/60/70

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUXES FOR 14/1700Z AND 2000Z WERE 181 AND 186 RESPECTIVELY.

SOLTERWARN

NNNN1703

NNNN

KMSC

HAUS BOU 151700Z

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO

SDF NUMBER 507B ISSUED 1700Z 15 JAN 1970

CLASS M FLARES ARE PROBABLE DURING THE NEXT 11 HOURS.

A. HIGHLIGHTS FOR THE PERIOD 07-15 JANUARY 1970 CLN

ONLY FOUR CLASS M FLARES IN AS MANY REGIONS WERE OBSERVED DURING THE ABOVE NINE-DAY PERIOD. WITH OVERALL ACTIVITY AT A MODERATE LEVEL, THE 10.7 CM FLUX NEVERTHELESS CLIMBED FROM 117 ON 07 JANUARY TO 181 ON THE 14TH. THE SOUTHERN HEMISPHERE HAS BEEN THE SCENE OF MOST OF THE NEW SPOT DEVELOPMENT SINCE 11 JANUARY. HOWEVER, THE DAY-TO-DAY CHANGES IN THESE CENTERS HAVE NOT BEEN DRAMATIC. AREAS AND RADIO BRIGHTNESS TEMPERATURES ARE NOT YET ABOVE CRITICAL LEVELS.

B. FORECAST FOR THE PERIOD 16-21 JANUARY 1970 CLN

THE COMING WEEK SHOULD BE CHARACTERIZED BY SPORADIC M EVENTS AT A RATE OF ABOUT ONE EVERY OTHER DAY.

28-DAY FORECAST FOR THE PERIOD 16 JANUARY-12 FEBRUARY 1970 CLN

25-31 JANUARY AND 12-18 FEBRUARY ARE EXPECTED TO BE THE NEXT PERIODS OF ABOVE-AVERAGE SOLAR ACTIVITY.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 15/1700Z ENDING 18/1700Z.

CLASS M OR GREATER 60/60/60

CLASS X 05/05/05

PROTON EVENTS 02/02/02

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 186. PREDICTED 185/180/175.

E. MAGNETIC A-FREDERICKSBURG FOR 14 JAN WAS 04. FOR 15 JAN ABOUT 07. PREDICTED AP FOR 16-18 JAN; 03/08/08.

SOLTERWARN

SPAN

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