

FROM SPACE DISTURBANCE FORECAST CENTER ESSA BOULDER COLO  
SDF NUMBER 408A ISSUED 1700Z 08 OCTOBER 1969

ONLY CLASS C FLARES ARE EXPECTED DURING THE NEXT 6 HOURS

A. HIGHLIGHTS FOR THE PERIOD 01-07 OCTOBER 1969--

NO ENERGETIC FLARES, CLASS M OR GREATER, WERE REPORTED DURING THE WEEK, TYPIFYING THE MAJORITY OF 7-DAY INTERVALS WITNESSED THIS SUNSPOT MAXIMUM YEAR. REGION-WISE TWO MODERATELY COMPLEX SPOT GROUPS, ONE IN THE NORTHERN HEMISPHERE, THE OTHER IN THE SOUTHERN, DOMINATED THE DISK. BEGINNING WITH THE N18 CENTER /MCMATH REGION 351/, THIS CLUSTER FIRST APPEARED ON OCT 2 ABOUT 50 DEGREES INSIDE THE EAST LIMB. ITS INITIAL EXPLOSIVE GROWTH PHASE WAS FOLLOWED BY A 2ND INCREASE IN SIZE TO AN E/650 ON THE 6TH. WITHIN THE GROUP'S DIFFUSE STRUCTURE ACTIVE EMBEDDED ABSORPTION FEATURES AND PROPER MOTION OF SPOTS WERE OBSERVED. ON THE OTHER HAND MCMATH REGION 344 /S12W74/ EVOLVED SLOWLY. ITS BIPOLAR MAGNETIC CONFIGURATION HAS REMAINED ESSENTIALLY UNCHANGED SINCE OCT 2. THE GEOMAGNETIC FIELD WAS DISTURBED OCT 1-3 AS AN AFTERMATH OF THE 30 SEP STORM. ADDITIONAL FLUCTUATIONS IN FIELD STRENGTH WERE OBSERVED ON THE 6TH.

B. FORECAST FOR THE PERIOD 9-15 OCT 1969--

THE PRESENT LULL IN ACTIVITY SHOULD CONTINUE, HOWEVER, ONE CAN EXPECT SEVERAL ENERGETIC FLARES FROM EITHER MCMATH REGION 351 OR 358 BEFORE WEST LIMB PASSAGE.

28-DAY FORECAST FOR 9 OCT-5 NOV--

ACTIVITY THROUGHOUT THE MONTH OF OCT IS EXPECTED TO BE LOW.

C. FLARE AND PROTON EVENT PROBABILITIES FOR THE NEXT THREE 24 HOUR PERIODS BEGINNING 08/1700Z ENDING 11/1700Z.

CLASS M OR GREATER 40/40/40

CLASS X 5/5/5

PROTON EVENTS 5/5/5

D. OTTAWA 10.7 CM FLUX AT 1400Z WAS 148. PREDICTED 144/140/136.

E. N/A.

F. KP ESTIMATED FOR 1200-1500Z WAS 1. KP FORECAST FOR NEXT 24 HOURS PER KP 15.3; 2/2/2/2/2/1/1/1.

SOLTERWARN

BT