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HFUS 1 BOU 170600

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 076A

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 0600Z 17 MARCH 1974

IA. SOLAR ACTIVITY HAS BEEN VERY LOW DURING THE PAST EIGHT HOURS.
THE REGIONS ON THE DISK APPEAR QUIET. SMALL SURGES HAVE BEEN OBSERVED
ON THE NORTH EAST LIMB.

IB. SOLAR ACTIVITY WILL CONTINUE AT A VERY LOW LEVEL.

II. THE GEOMAGNETIC FIELD WAS MODERATELY DISTURBED BUT SINCE ABOUT
16/2300Z THE FIELD HAS BECOME ONLY SLIGHTLY DISTURBED, BELOW STORM
LEVEL.

III. NO CHANGE.

IV. NO CHANGE.

V. NO CHANGE.

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SDF NUMBER 076B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY

ISSUED 1400 Z 17 March 1974

1A. Solar activity has remained very low during the past eight hours, and ^{NO} flares have been reported. Region 363 (S16W03) has shown ^{of the region} slight development in the trailing ^{plage} and activity in the filament ^{west of}. Other regions are ^{relatively} unimpressive. ^{probably} 1B. Solar activity will continue at a very low level.

II. The geomagnetic field has exhibited unsettled conditions during the interval 17/0600-0900Z, after which time quiet conditions have prevailed. Quiet to unsettled conditions are likely during the remainder of the forecast period.

III. EVENT PROBABILITIES

	17-19 MARCH					
CLASS M	<u>07</u>	/	<u>07</u>	/	<u>07</u>	
CLASS X	<u>01</u>	/	<u>01</u>	/	<u>01</u>	
PROTON	<u>01</u>	/	<u>01</u>	/	<u>01</u>	
PCAF	<u>Green</u>					

N/C

IV. OTTAWA 10.7 CM FLUX

OBSERVED			16 MARCH	83	
PREDICTED	<u>17</u>	-	<u>19 MARCH</u>	<u>83</u>	/ <u>82</u> / <u>82</u>
90-DAY MEAN			<u>16 MARCH</u>	<u>84</u>	

N/C

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG		15 March	03	
ESTIMATED A _{FR/AP}		16 March	22 / 28	
PREDICTED A _{FR/AP}	<u>17</u>	-	<u>19 March</u>	<u>12/13</u> - <u>10/11</u> - <u>14/16</u>

NOTE: A recent comparison between two years of Fredericksburg and Planetary Magnetic indices has shown that A_p appears higher than A_{FREDERICKSBURG}. Therefore, both indices will be included in future forecasts. Only extrapolated A_p values will be given since the computation and publication of the actual observed A_p values require approximately three months.

HFUS 1 BOU 171400

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 076B

JOINT AFGWC/SESC SECONDARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 1400Z 17 MARCH 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST EIGHT
HOURS, AND NO FLARES HAVE BEEN REPORTED. REGION 363 (S16W03)
HAS SHOWN SLIGHT DEVELOPMENT IN THE TRAILING PLAGE AND ACTIVITY
IN THE FILAMENT WEST OF THE REGION. OTHER REGIONS HAVE REMAINED
RELATIVELY UNIMPRESSIVE.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN AT A VERY LOW LEVEL.

II. THE GEOMAGNETIC FIELD HAS EXHIBITED UNSETTLED CONDITIONS
DURING THE INTERVAL 17/0600-0900Z, AFTER WHICH TIME QUIET CON-
DITIONS HAVE PREVAILED. QUIET TO UNSETTLED CONDITIONS ARE LIKELY
DURING THE REMAINDER OF THE FORECAST PERIOD.

III. EVENT PROBABILITIES 17-19 MARCH

CLASS M 07/07/07

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 16 MARCH 83

PREDICTED 17-19 MARCH 83/82/82

90-DAY MEAN 16 MARCH 84

V. GEOMAGNETIC A-INDICES

OBSERVED FREDERICKSBURG 15 MARCH 03

ESTIMATED AFR/AP 16 MARCH 17/20

PREDICTED AFR/AP 17-19 MARCH 12/13 - 10/11 - 14/16

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HFUS BOU 172200

FROM SPACE ENVIRONMENT SERVICES CENTER BOULDER COLO

SDF NUMBER 076

JOINT AFGWC/SESC PRIMARY REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY
ISSUED 2200Z 17 MARCH 1974

IA. SOLAR ACTIVITY HAS REMAINED VERY LOW DURING THE PAST 24 HOURS, AND NO FLARES HAVE BEEN REPORTED. REGION 363 (S16W07) REMAINS THE MOST INTERESTING DISK FEATURE. THIS REGION STILL CONTAINS RELATIVELY LARGE BUT STABLE BIPOLAR PLAGE. ONLY SMALL SPOTS AND PORES HAVE BEEN OBSERVED RECENTLY IN REGION 363, BUT MOTION HAS BEEN OCCURRING IN THE FILAMENT SOUTHWEST OF THE PLAGE. REGION 366 (S12W35) HAS APPEARED TODAY, BUT ONLY SMALL SPOTS AND UNIMPRESSIVE PLAGE ARE VISIBLE. REGION 367 (S16E20) CONTAINS A NEW B-TYPE SPOT GROUP THAT HAS DEVELOPED IN A PREVIOUSLY-EXISTING PATCH OF STABLE PLAGE. X-RAY DATA FROM THE OSO-7 SATELLITE INDICATE THAT A NEW REGION MAY EXIST NEAR THE EAST LIMB AT ABOUT S12. SO FAR ONLY A FEW SMALL SURGES HAVE BEEN OBSERVED AT THAT LOCATION.

IB. SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW DURING THE FORECAST PERIOD. REGIONS 363 AND THE NEW REGION NEAR S15E90 MAY PRODUCE A FEW SPORADIC SUBFLARES. OTHER REGIONS PROBABLY WILL REMAIN INACTIVE.

II. THE GEOMAGNETIC DISTURBANCE THAT BEGAN EARLY 16 MARCH APPARENTLY HAS ENDED, AND QUIET CONDITIONS HAVE BEEN OBSERVED FOR THE PAST SEVERAL HOURS. QUIET TO UNSETTLED CONDITIONS ARE EXPECTED UNTIL ABOUT 20 MARCH, WHEN A RECURRENT MAGNETIC DISTURBANCE IS EXPECTED TO BEGIN.

III. EVENT PROBABILITIES 18 - 20 MARCH

CLASS M 07/07/07

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 17 MARCH 83

PREDICTED 18 - 20 MARCH 82/83/83

90-DAY MEAN 17 MARCH 83

V. GEOMAGNETIC A INDICES

OBSERVED FREDERICKSBURG 16 MARCH 17

ESTIMATED AFR/AP 17 MARCH 09/10

PREDICTED AFR/AP 18 - 20 MARCH 10/11 - 14/16 - 20/24

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