

SESC Solar Summary and Forecast - For Joe Hirman

Begin: 10/09/87 00:00:00

End : 10/09/87 23:59:00

10/09 22:00

2204
HFUS3 BOU 092200
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 282
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 09 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100Z TO 09/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4866 (N22E78) WAS NEWLY ASSIGNED AND ROTATED ONTO THE DISK AS A LARGE SINGLE SPOT WITH PENUMBRA. NEWLY ASSIGNED REGION 4867 (S35E58) ROTATED ON AS A SMALL SINGLE SPOT WITHOUT PENUMBRA.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. PRELIMINARY DATA INDICATE A POTENTIAL INCREASE

NNNN

<003>

10/09 22:00

2240
HFUS3 BOU 092200 RTD
FROM SPACE ENVIRONMENT SERVICES CENTER, BOULDER, COLORADO
SDF NUMBER 282
JOINT USAF/NOAA REPORT OF SOLAR AND GEOPHYSICAL ACTIVITY.
ISSUED 2200Z 09 OCT 1987

IA. ANALYSIS OF SOLAR ACTIVE REGIONS AND ACTIVITY FROM 08/2100Z TO 09/2100Z: SOLAR ACTIVITY WAS VERY LOW. REGION 4866 (N22E78) WAS NEWLY ASSIGNED AND ROTATED ONTO THE DISK AS A LARGE SINGLE SPOT WITH PENUMBRA. NEWLY ASSIGNED REGION 4867 (S35E58) ROTATED ON AS A SMALL SINGLE SPOT WITHOUT PENUMBRA.

IB. SOLAR ACTIVITY FORECAST: SOLAR ACTIVITY IS EXPECTED TO REMAIN VERY LOW. PRELIMINARY DATA INDICATE A POTENTIAL INCREASE IN ACTIVITY FROM ON AND BEHIND THE EAST LIMB.

IIA. GEOPHYSICAL ACTIVITY SUMMARY FROM 08/2100Z TO 09/2100Z: THE GEOMAGNETIC FIELD WAS QUIET TO UNSETTLED.

IIB. GEOPHYSICAL ACTIVITY FORECAST: THE GEOMAGNETIC FIELD IS EXPECTED TO BE UNSETTLED TO ACTIVE. INCREASED ACTIVITY ON 11 AND 12 OCTOBER IS DUE TO A NORTHERN CORONAL HOLE EXTENSION.

III. EVENT PROBABILITIES 10 OCT-12 OCT

CLASS M 05/05/05

CLASS X 01/01/01

PROTON 01/01/01

PCAF GREEN

IV. OTTAWA 10.7 CM FLUX

OBSERVED 09 OCT 093

PREDICTED 10 OCT-12 OCT 090/090/090

90 DAY MEAN 09 OCT 089

GEOMAGNETIC A INDICES

OBSERVED AFR/AP 08 OCT 007/010

ESTIMATED AFR/AP 09 OCT 002/010
PREDICTED AFR/AP 10 OCT-12 OCT 010/016-015/016-015/018

NNNN

<003>
09 22:00

2216
HFUS3 BOU 092200

NNNN

<003>
10/09 22:00

0045
HFUS3 BOU 092200

NNNN

<003>
10/09 22:00

2216
HFUS3 BOU 092200

IONFM	36602	71009	/1500	750/9	00010	84531	00010	830/9	00016	
930/6	00010	93030	00010	033/0	00010	03028	00010	IONFM	33502	
71009	/1800	94334	00016	93731	00016	03329	00016	03130	00016	
13328	00016	13327	00016	IONFM	38601	71009	/1700	82631	00010	
92730	02312	9/1/1	04015	0/0/0	//0/0	02331	00010	12629	00010	
IONFM	33702	71009	/1700	84432	00014	94132	00012	93132	022	1212 0
0/1/1	04012	0/0/0	//0/0	1/1/1	05510	IONFM	36801	71009	/1700	
83233	05210	9/0/0	//0/0	93234	02010	03233	02010	03229	02210	
13032	01810	IONFM	38701	71009	/1700	82929	02015	93033	02415	
9/0/0	//0/0	0/1/1	06215	0/1/1	04015	1/2/2	//2/2	1/1/1	03819	
IONFM	45601	71009	/1700	8/6/6	00010	9/0/0	//0/0	92828	02311	
03132	02313	04636	02912	15934	03212	16936	02412	IONFM	36401	
71009	/1700	8/0/0	//0/0	9/0/0	//0/0	9/0/0	//0/0	0/0/0	//0/0	
0/0/0	//0/0	1/0/0	//0/0	1/0/0	//0/0	IONFM	43501	71009	/1600	
84530	00011	84430	00010	94132	00011	94029	03010	03931	02010	
04032	00010	IONFM	37701	71009	/1700	8/6/6	00015	93330	00015	
9/0/0	//0/0	0/6/6	00010	0/6/6	00016	1/6/6	02410	1/6/6	00015	
IONFM	28701	71009	/1700	8/1/1	03518	92234	00013	93534	00013	
0/0/0	//0/0	05032	00018	1/0/0	//0/0	1/9/9	//30^			

NNNN

<003>
09 22:00