Solar X-Ray data for the BBXRT Mission

The upper and lower curves represent one minute averages of the 1-8 A and 0.5-4 A data respectively. To provide the most complete soft x-ray coverage (in case of losses of data) data from both the GOES-6 and GOES-7 satellites are presented. Data from GOES-6 is drawn as a dotted line while data from GOES-7 (the primary satellite) is drawn as a solid line.

Daily event listings can also be obtained. One for 04 Dec 90 is included as an example.

BBXRT Launch Dec 2 $6^h 49^m 1^s$ GMT

Dec 2 $6^h 49^m 1^s$ GMT

flarelike events

		day MET	
Dec 04	0200	~ 1.304	0200 - 0300 h.
Dec 04	1450	~ 2.55	1450 - 1550
Dec 05	0730	~ 3.05	0730 - 850
Dec 07	1400	~ 5.33	1400 - 1550
Dec 09	0810	~ 7.09	810 - 950
Dec 10	0800	~ 8.083	700 - 850

Max '91 - EVENT LISTING for DEC 4, 1990

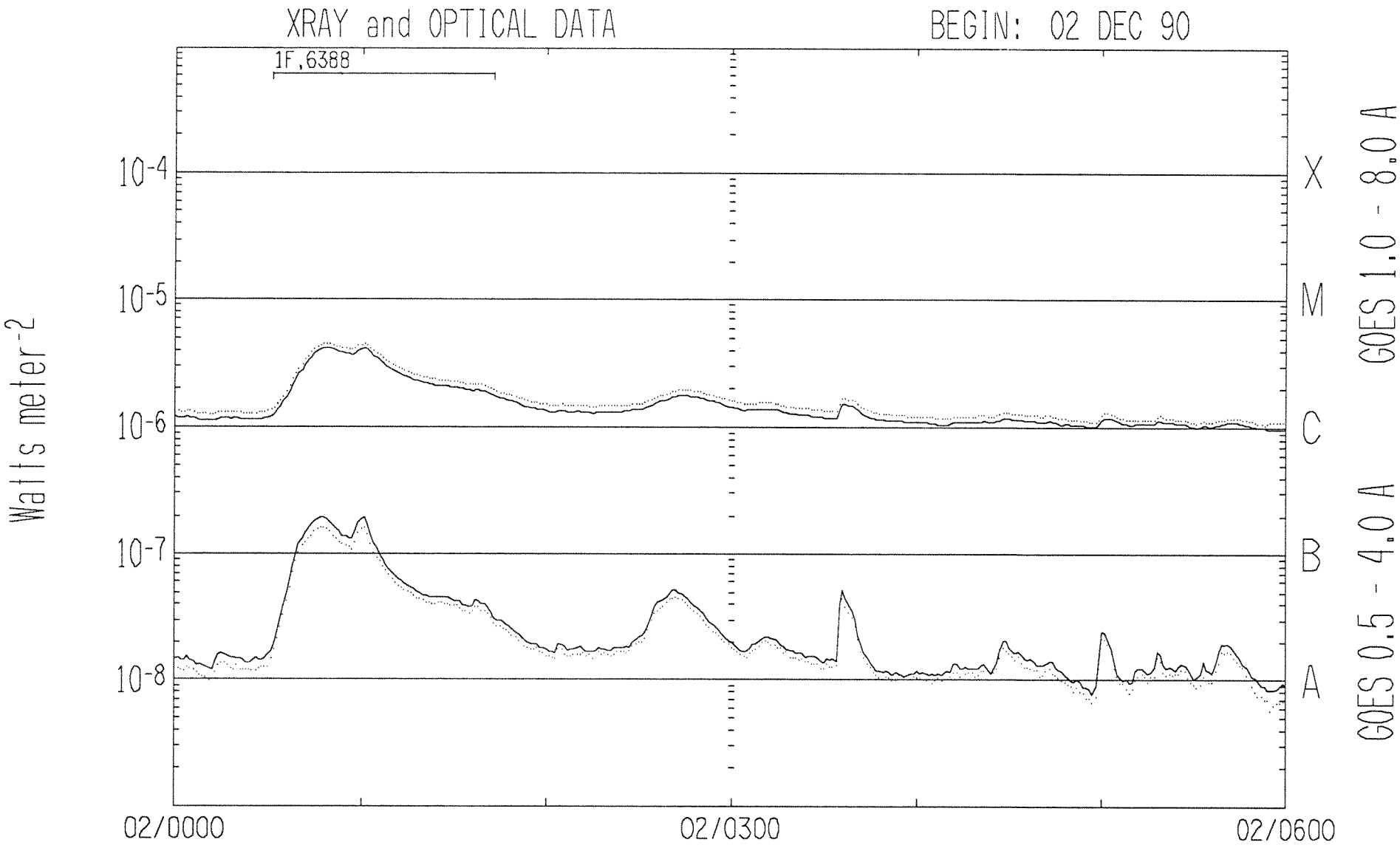
Time (UT) Begin	Max	End	X-Ray Class	Opt Imp	Loca-tion	NOAA Region	Peak Radio Flux 2.7	8.8	15.4	Associated Reports
0008	0031	0047	C4.4	SF	S21W11	6393				
0157	0203	0236	M6.6	1F	N08E56	6397	310	350	510	III
0329	0331	0332	C1.2	SF	N10E62	6397				
0405	0414	0423	C1.6	SF	N08E54	6397				
0732	0738	0743	C4.3	SF	N10E58	6397				
0821	0828	0831	C1.4	SF	N19E44	6395				
B0920	0921	A0925		SF	N36E14	6390				
B1241	U1245	A1252		SF	S23W57	6400				
1250	1253	1255	C1.8	1N	N10E55	6397				
B1333	1335	A1338		SF	S21W65	6396				
B1337	1346	A1417		SF	N09E53	6397				
B1404	1409	A1430		SF	N21E34	6399				
1429	1439	1507	M1.8	1B	N08E51	6397	72	110	85	
B1600	1606	A1615		SF	S23W61	6400				
1602	1615	1622	C1.7	SF	N10E37	6397				
B1604	1605	A1628		SF	N17E43	6395				
1649	1653	1703	C1.4	SF	S23W61	6400				
B1702	1710	A1712		SF	S23W59	6400				
B1853	1859	A1907		SF	S22W62	6400				
B1927	1932	A1941		SF	S22W63	6400				
B1948	2000	A2003		SF	S24W60	6400				
B2005	2005	A2012		SF	N12E44	6397				
B2009	2011	A2026		SF	S21W63	6400				
B2026	2030	A2036		SF	S24W61	6400				
2109	2120	2123	C1.7							
2300	2304	2307	C1.7							
B2309	2314	A2324		SF	S23W64	6400				

Times are derived from the 1-8A soft x-ray time profiles. If no x-ray classification is given then times are derived from optical flare reports.
Letters associated with optical times indicate:

B = Event is in progress at beginning of observation
U = Peak time is uncertain
A = Event is in progress at end of observation

Definitions for Associated Reports:

II, III, IV, V, C = type II, III, IV, V, or Continuum radio burst reported, respectively
L = loop prominence system reported
S = spray reported
B = bright surge on limb reported
E = eruptive prominence reported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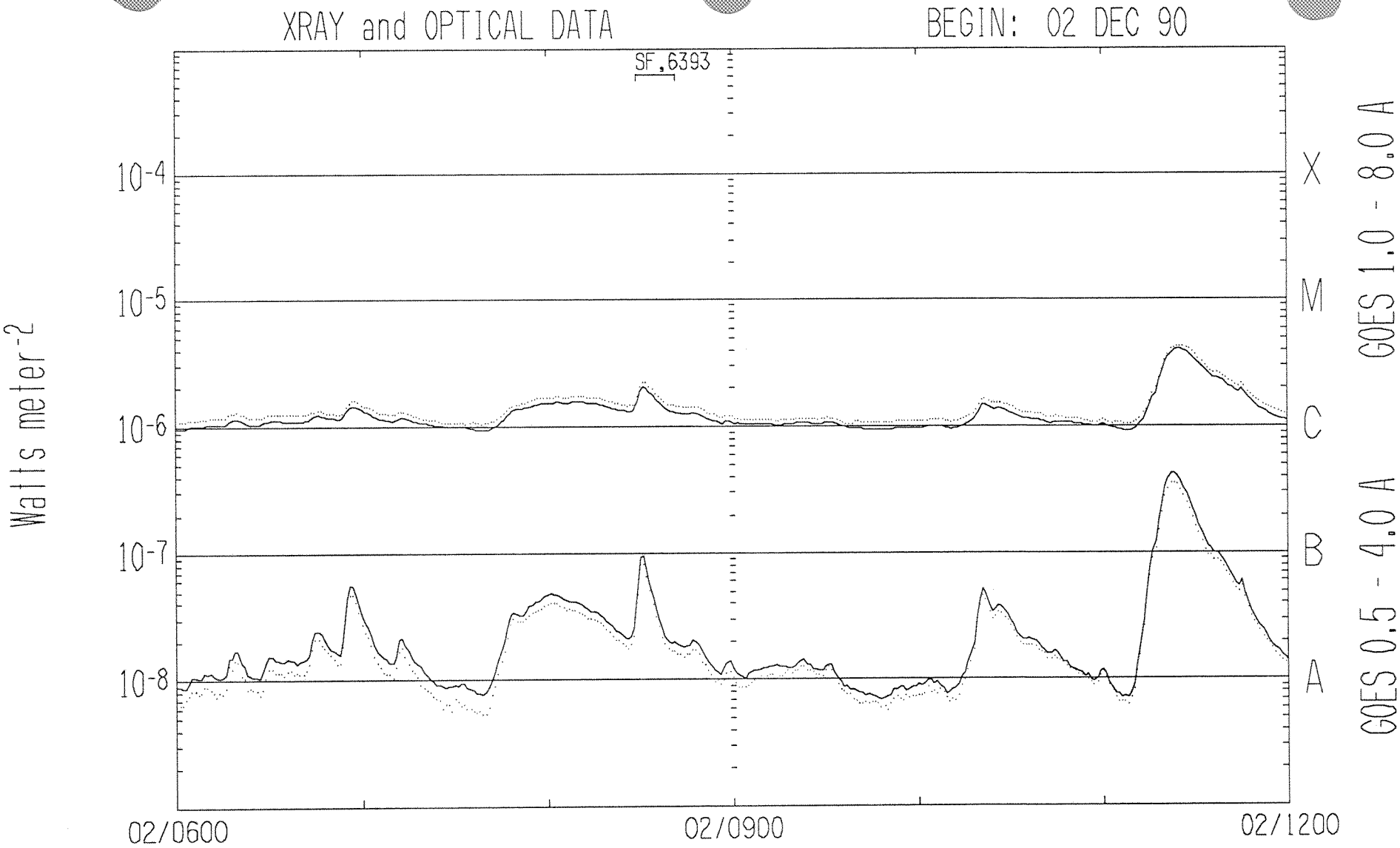
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
02/0000
02/0300
02/0600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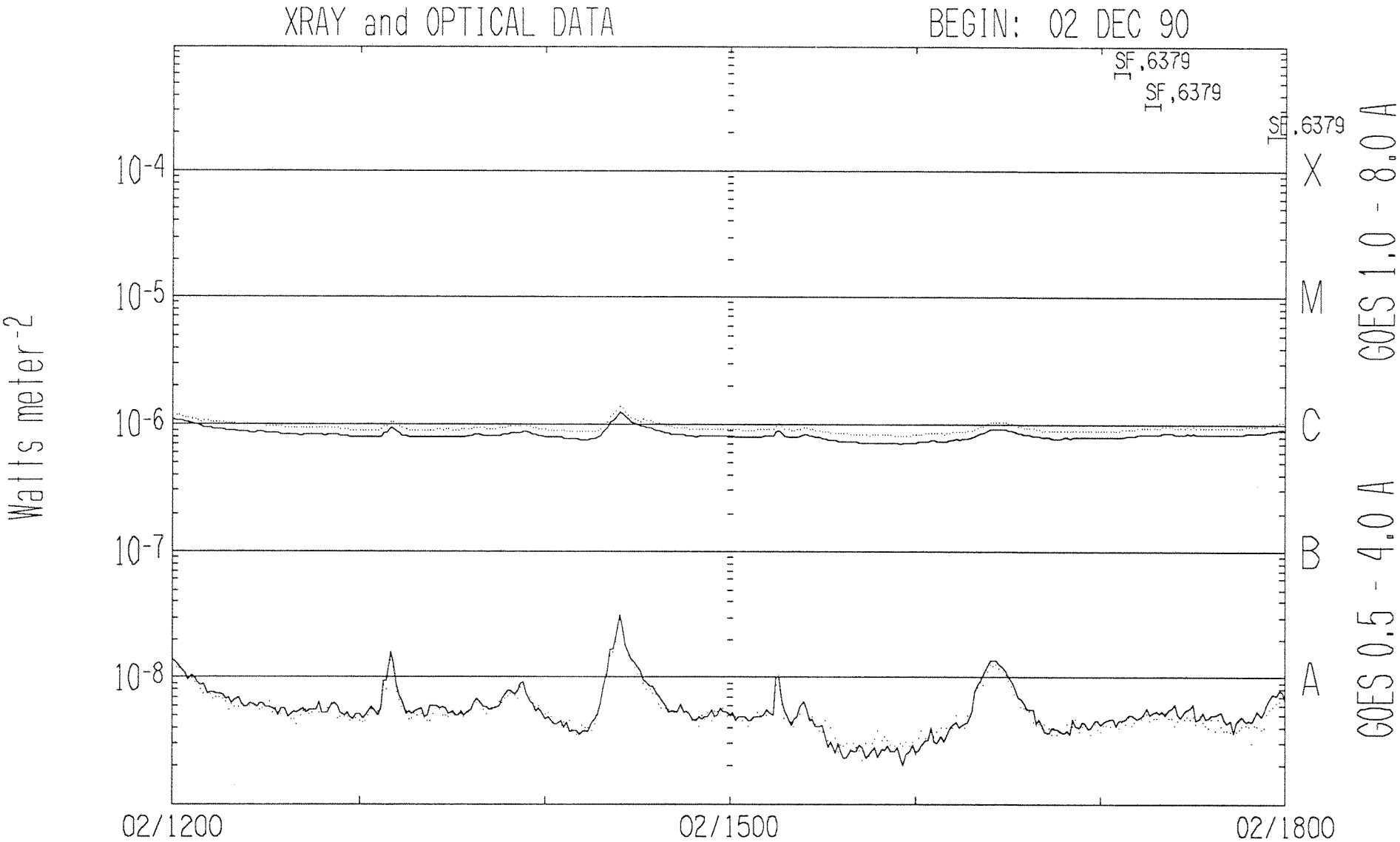
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
02/0600
02/0900
02/1200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10-5
10-6
10-7
10-8
X
M
C
B
A
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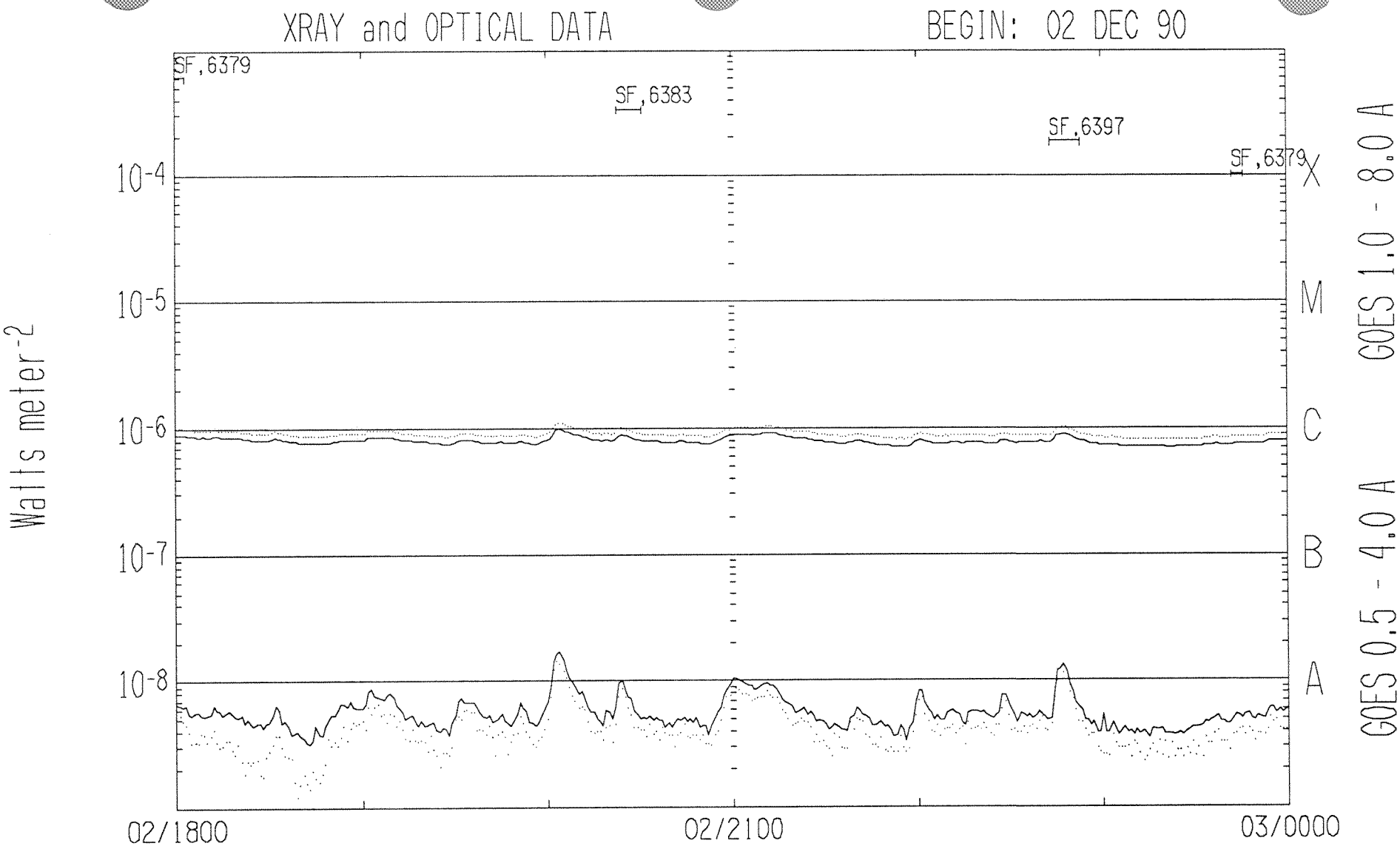
GOES 0.5 - 4.0 A
02/1200
02/1500
02/1800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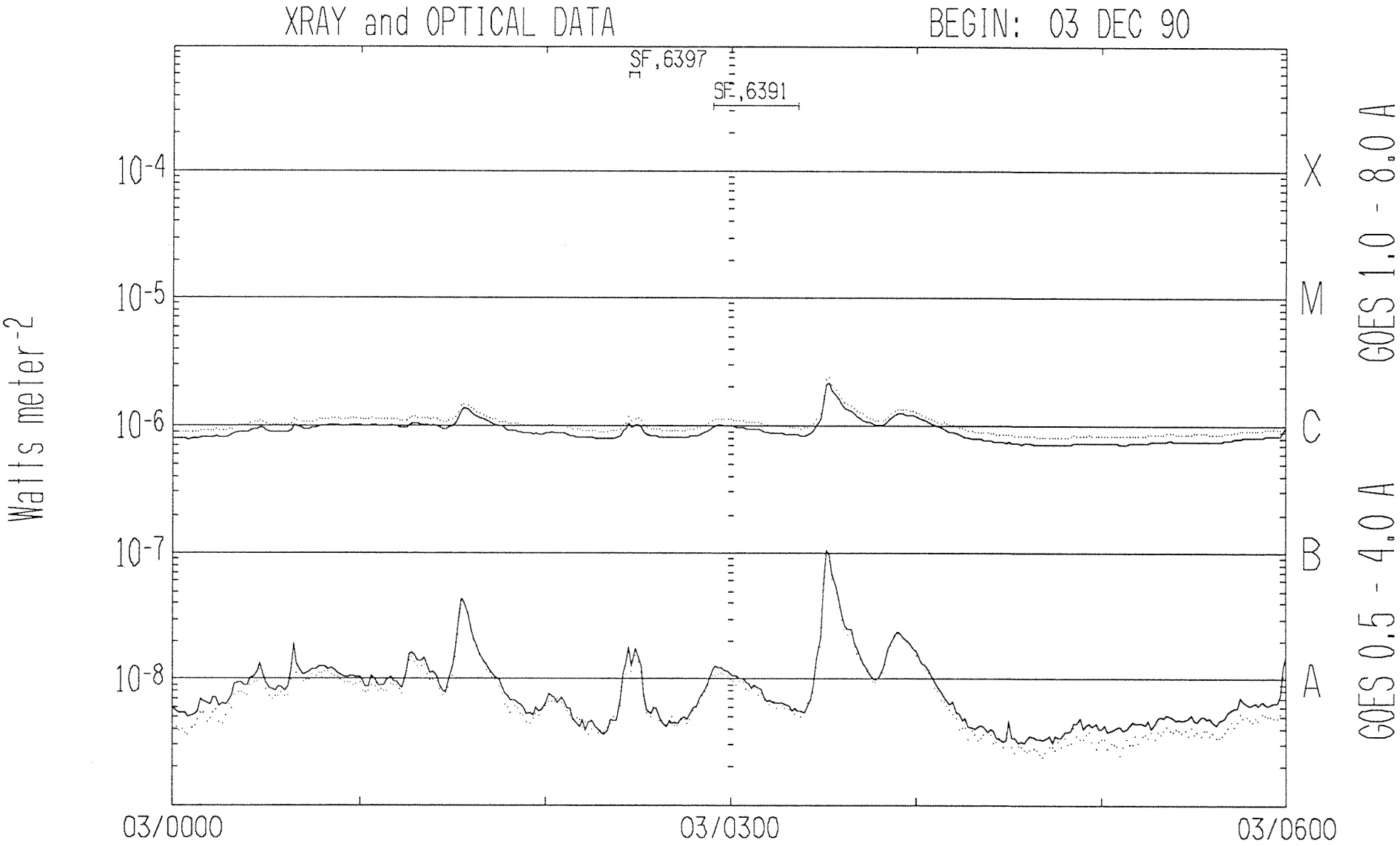
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
02/1800
02/2100
03/0000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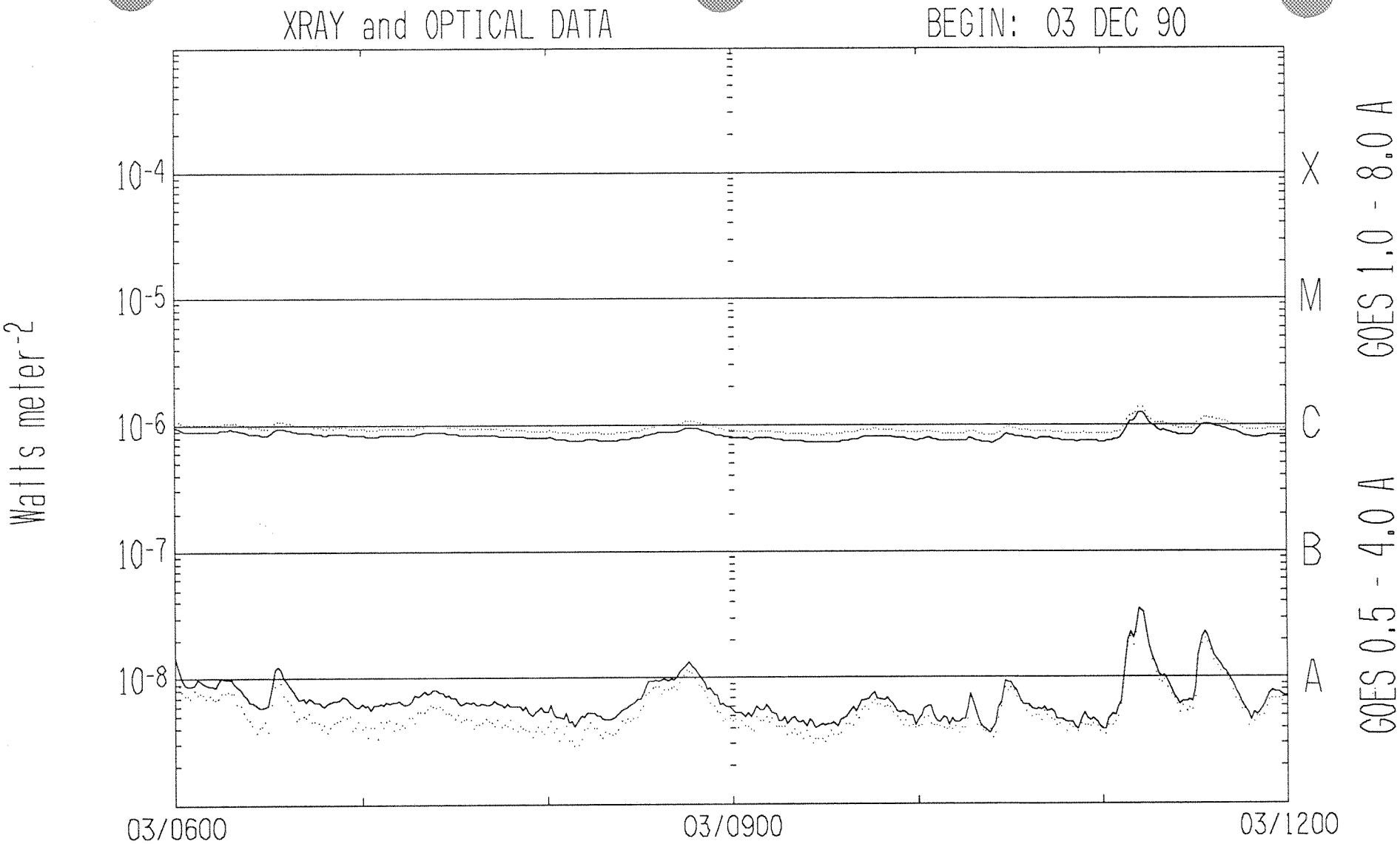
SF,6391
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
03/0000
03/0300
03/0600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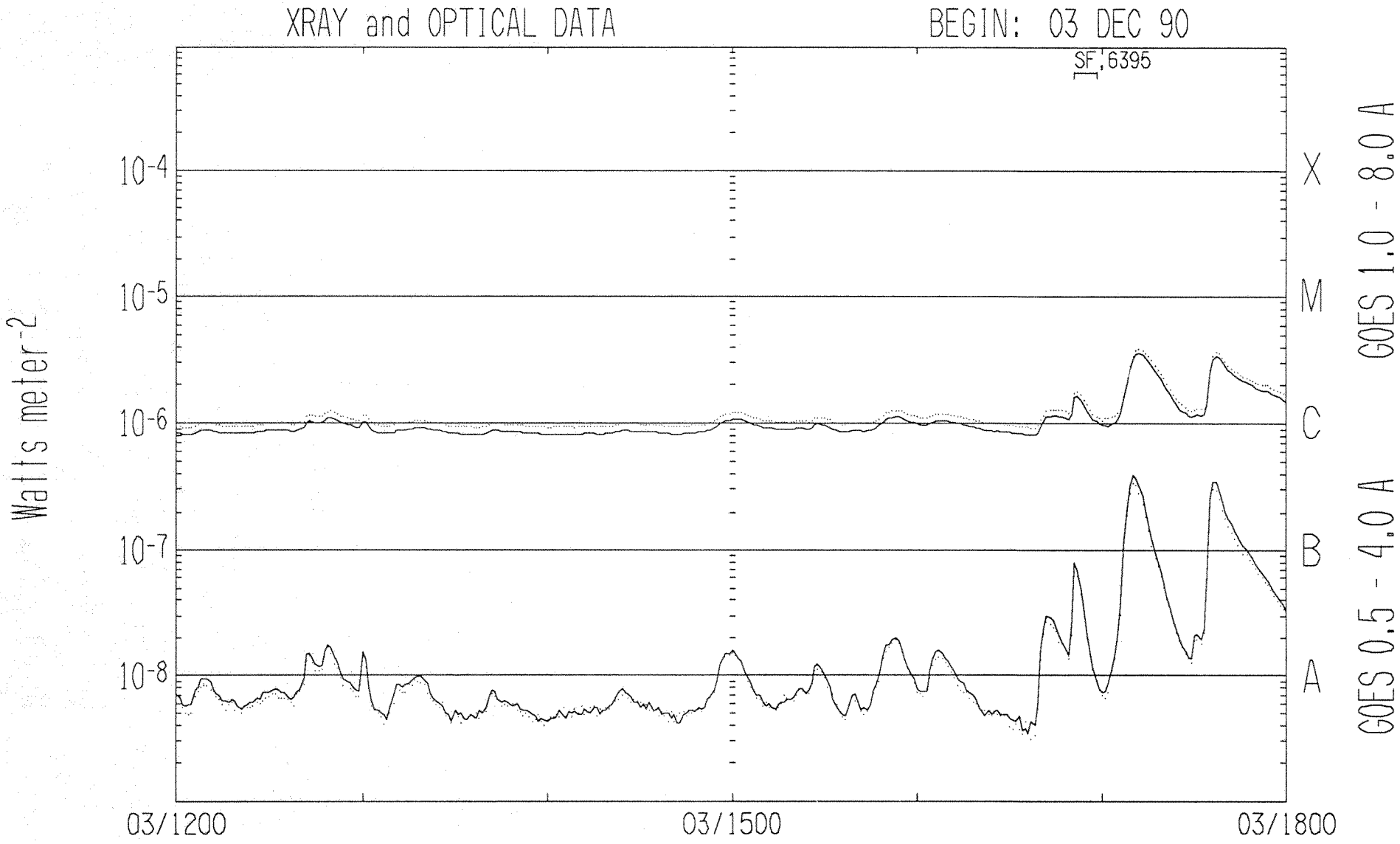
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
03/0600
03/0900
03/1200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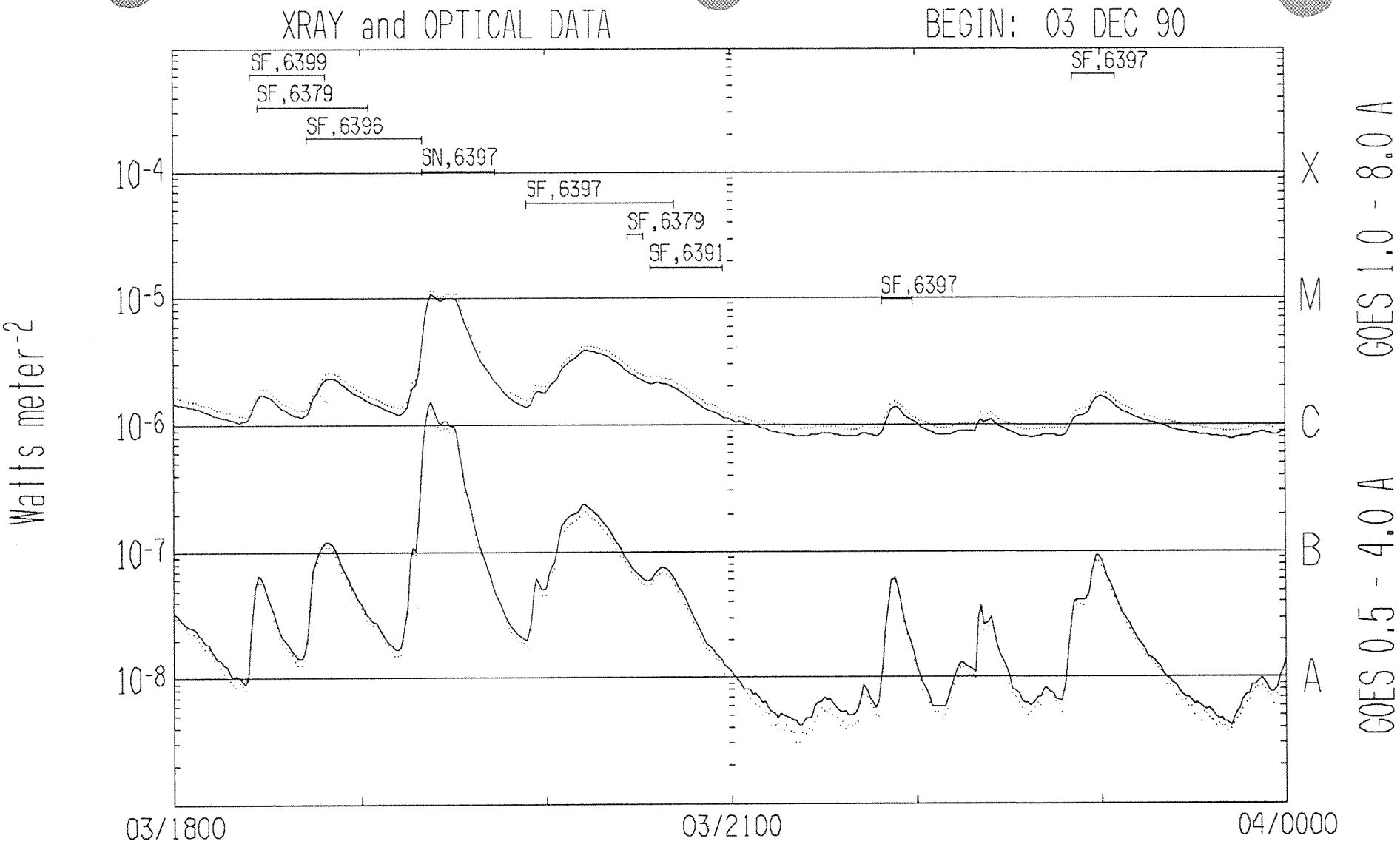
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
03/1200
03/1500
03/1800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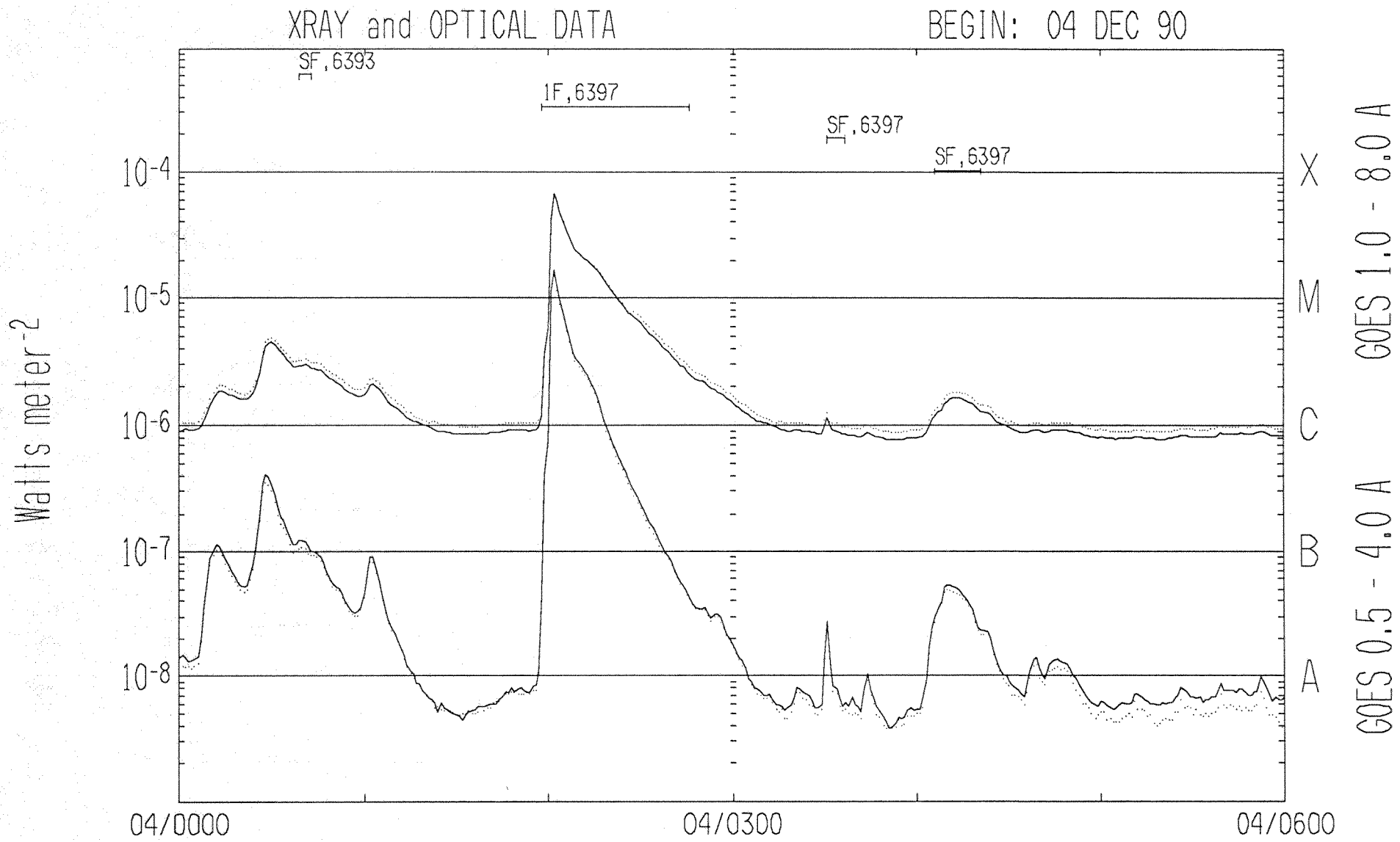
SF,6396
SN,6397
SF,6397
SF,6379
SF,6391
SF,6397
SF,6397
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
03/1800
03/2100
04/0000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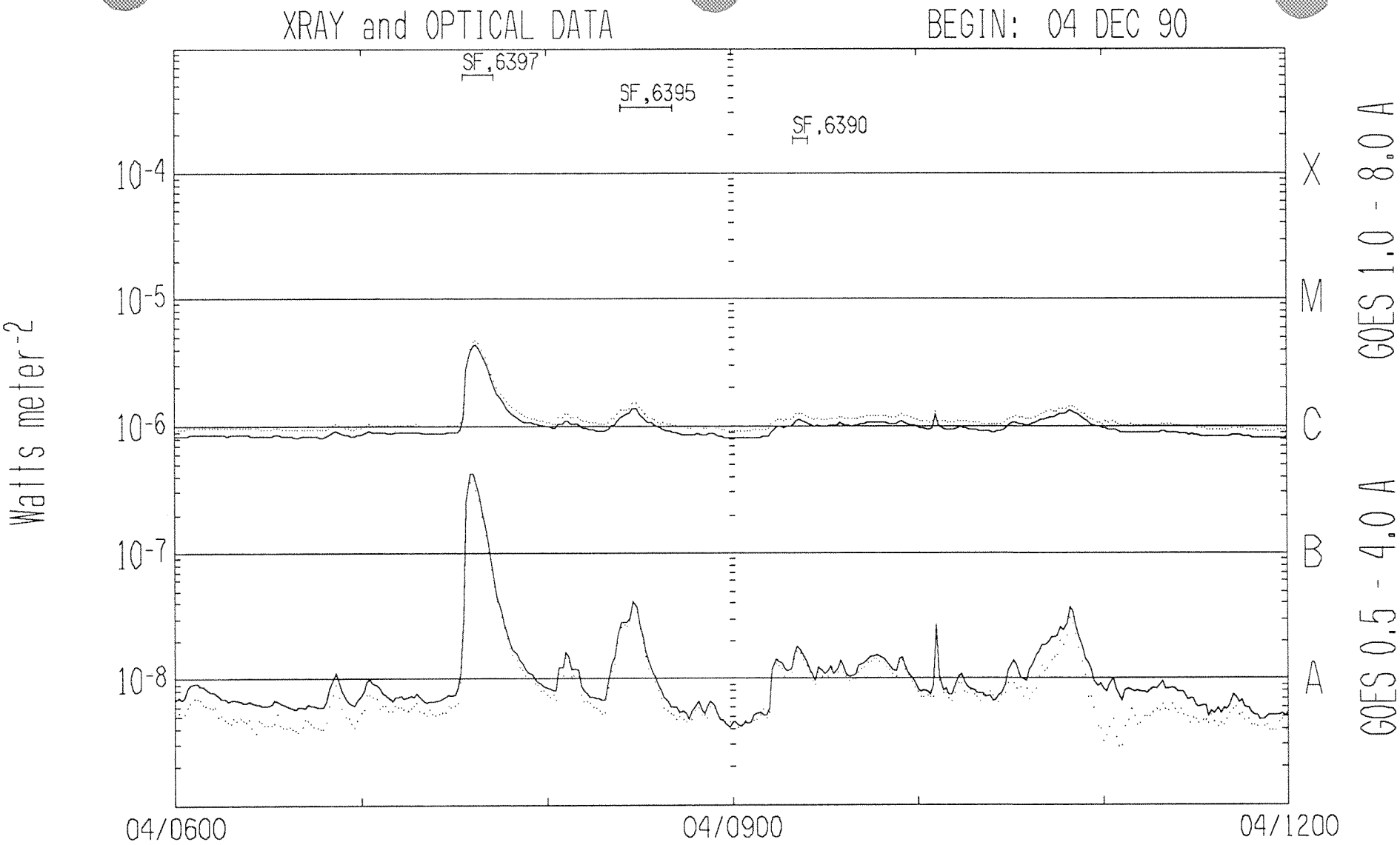
1F,6397
SF,6397
SF,6397
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
04/0000
04/0300
04/0600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SF,6390
Watts meter-2
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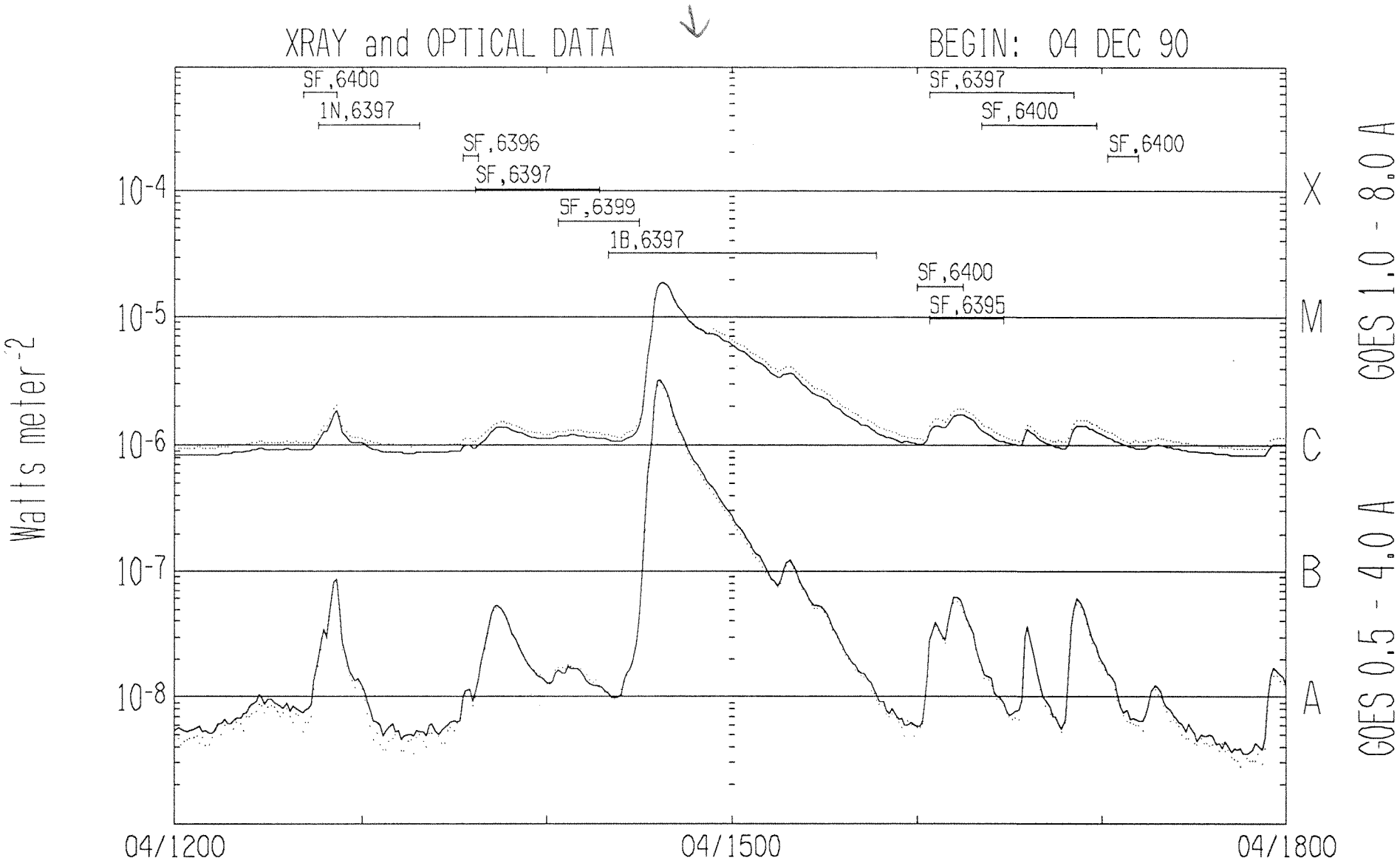
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
04/0600
04/0900
04/1200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SF,6396
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1B,6397
SF,6400
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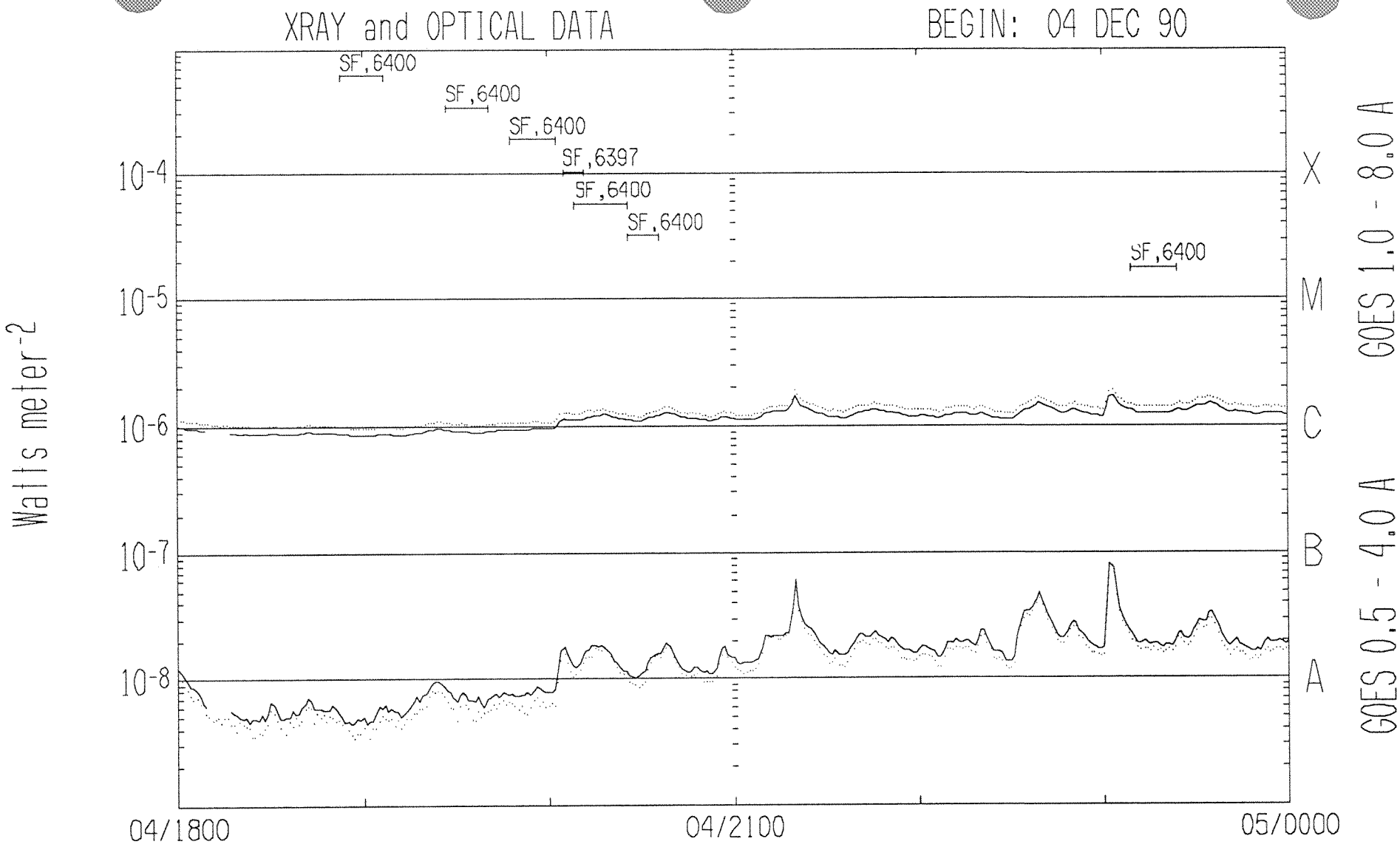
SF,6400
10-4
10-5
10-6
10-7
10-8
Watts meter-2
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
04/1200
04/1500
04/1800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SF,6400
SF,6400
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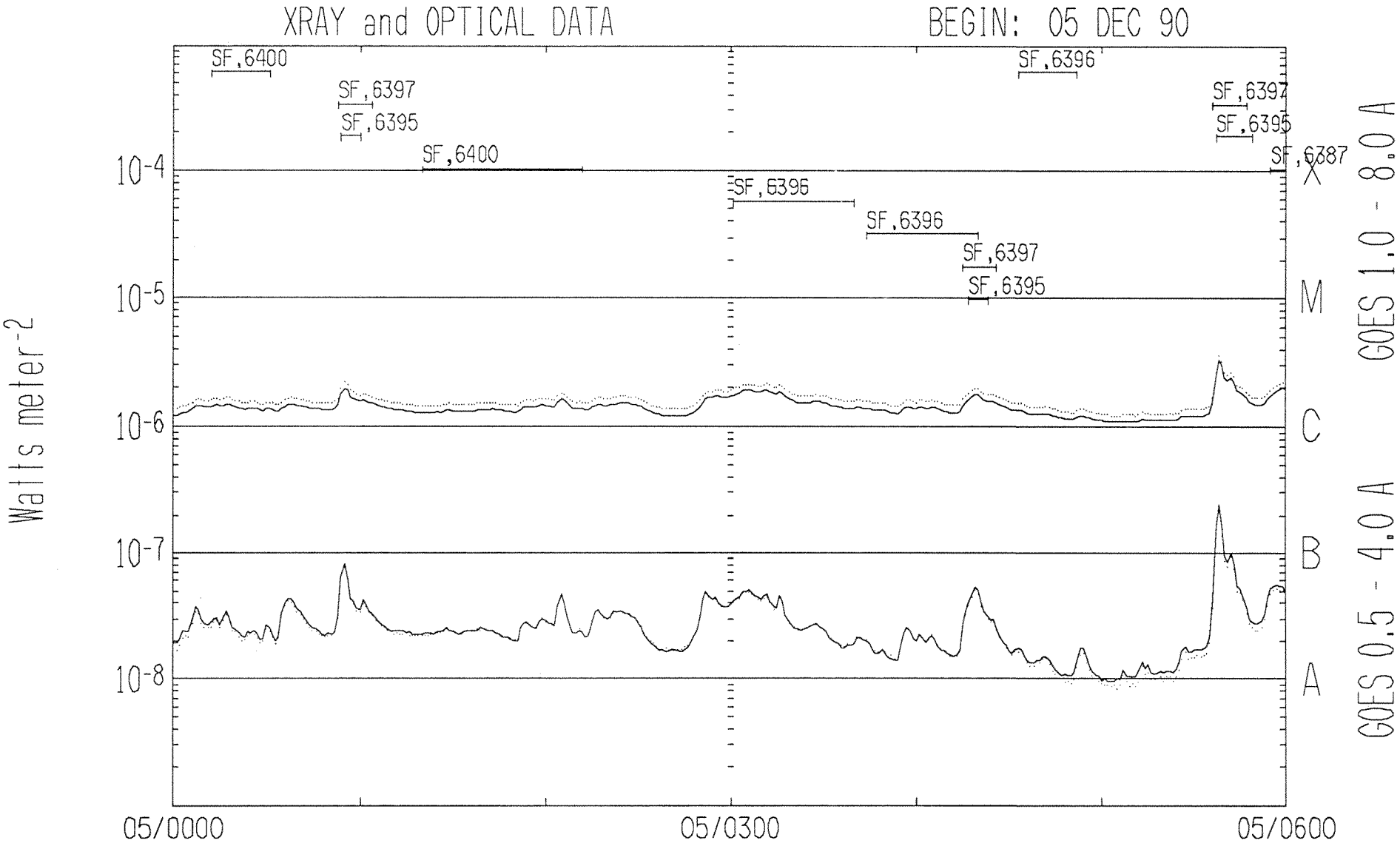
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
04/1800
04/2100
05/0000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SF,6395
SF,6400
SF,6396
SF,6396
SF,6396
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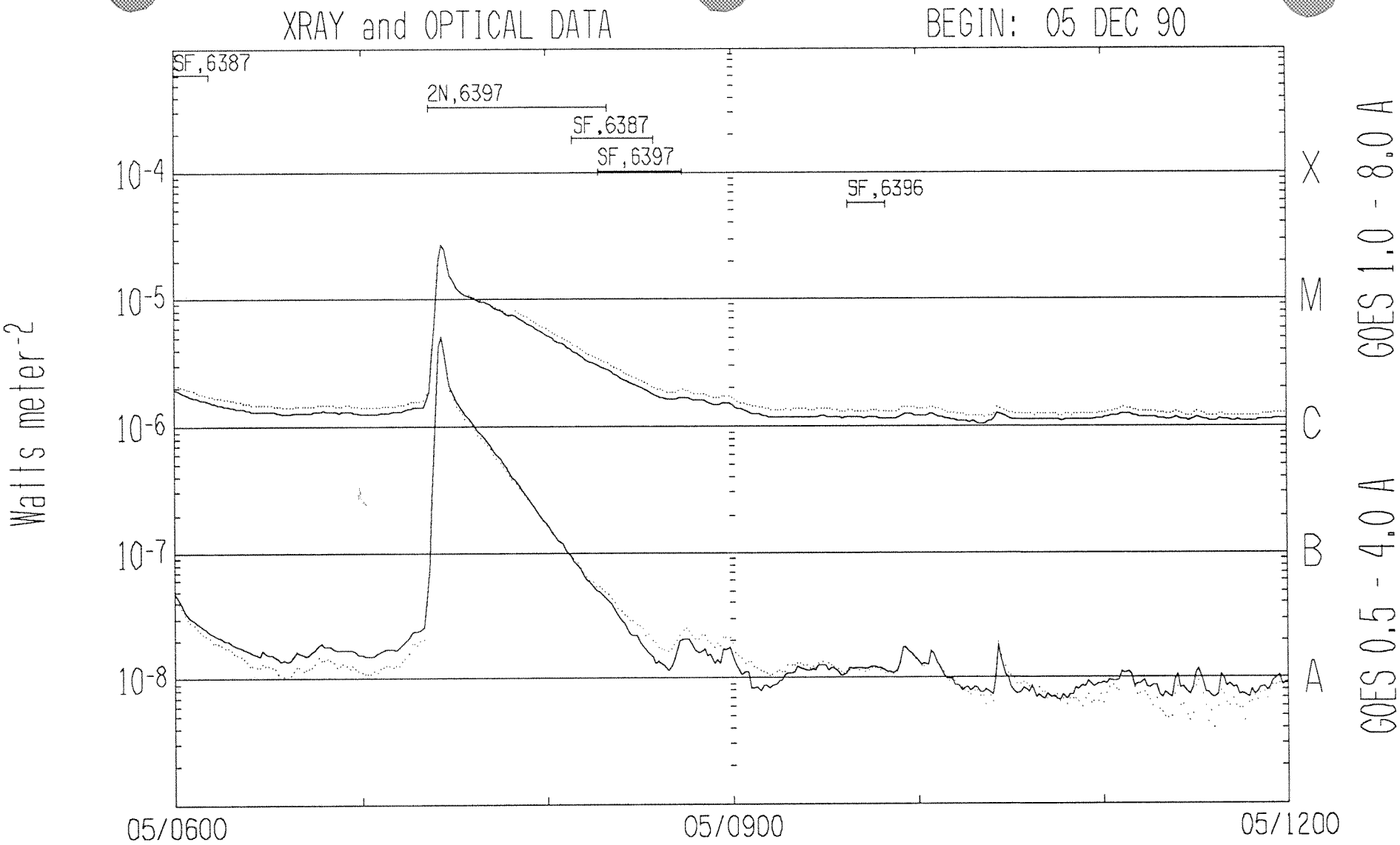
SF,6395
SF,6396
SF,6397
SF,6395
SF,6387
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
Watts meter-2
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
05/0000
05/0300
05/0600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SF,6387
SF,6397
SF,6396
Watts meter-2
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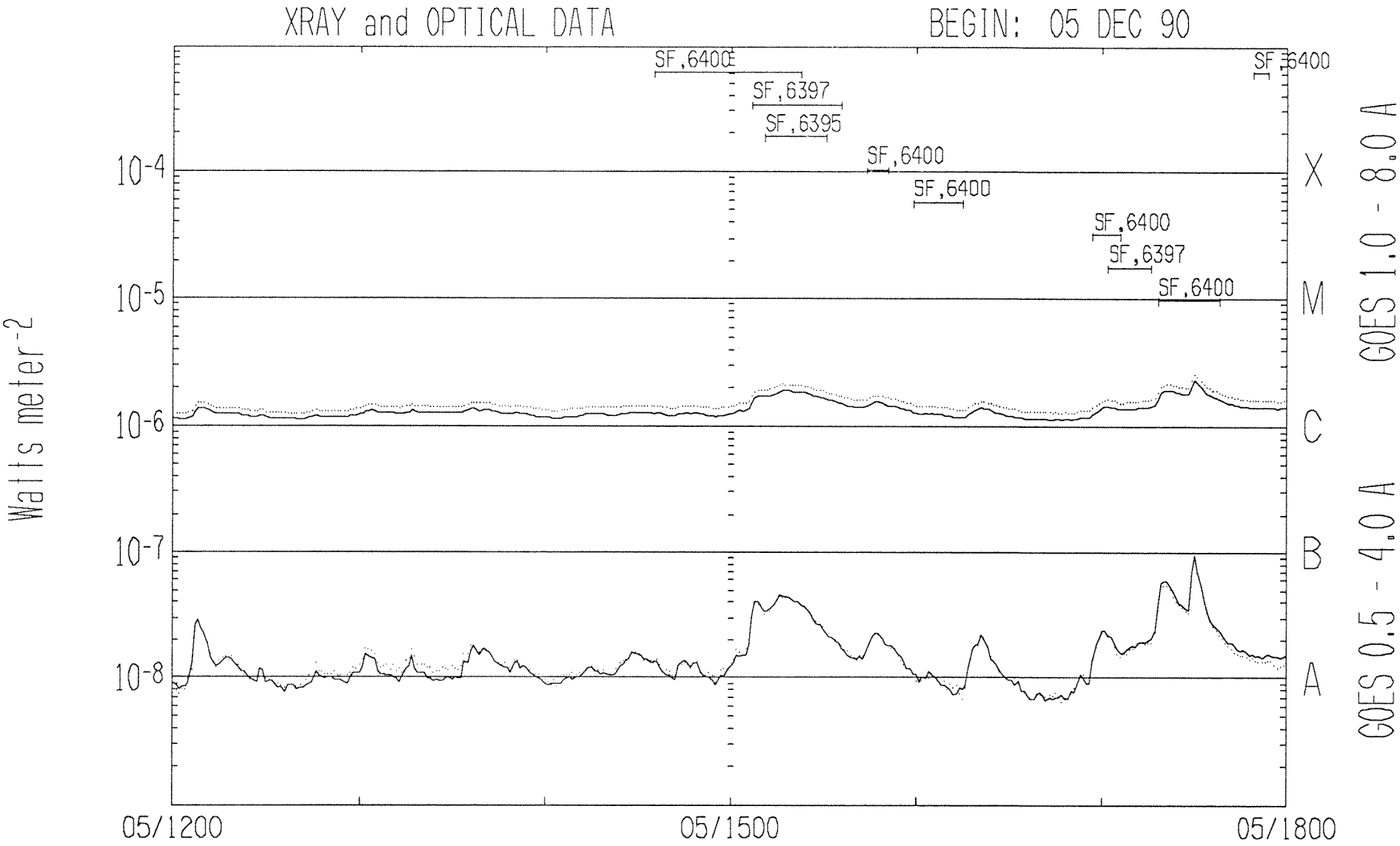
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
05/0600
05/0900
05/1200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SF,6395
SF,6400
SF,6400
SF,6400
SF,6397
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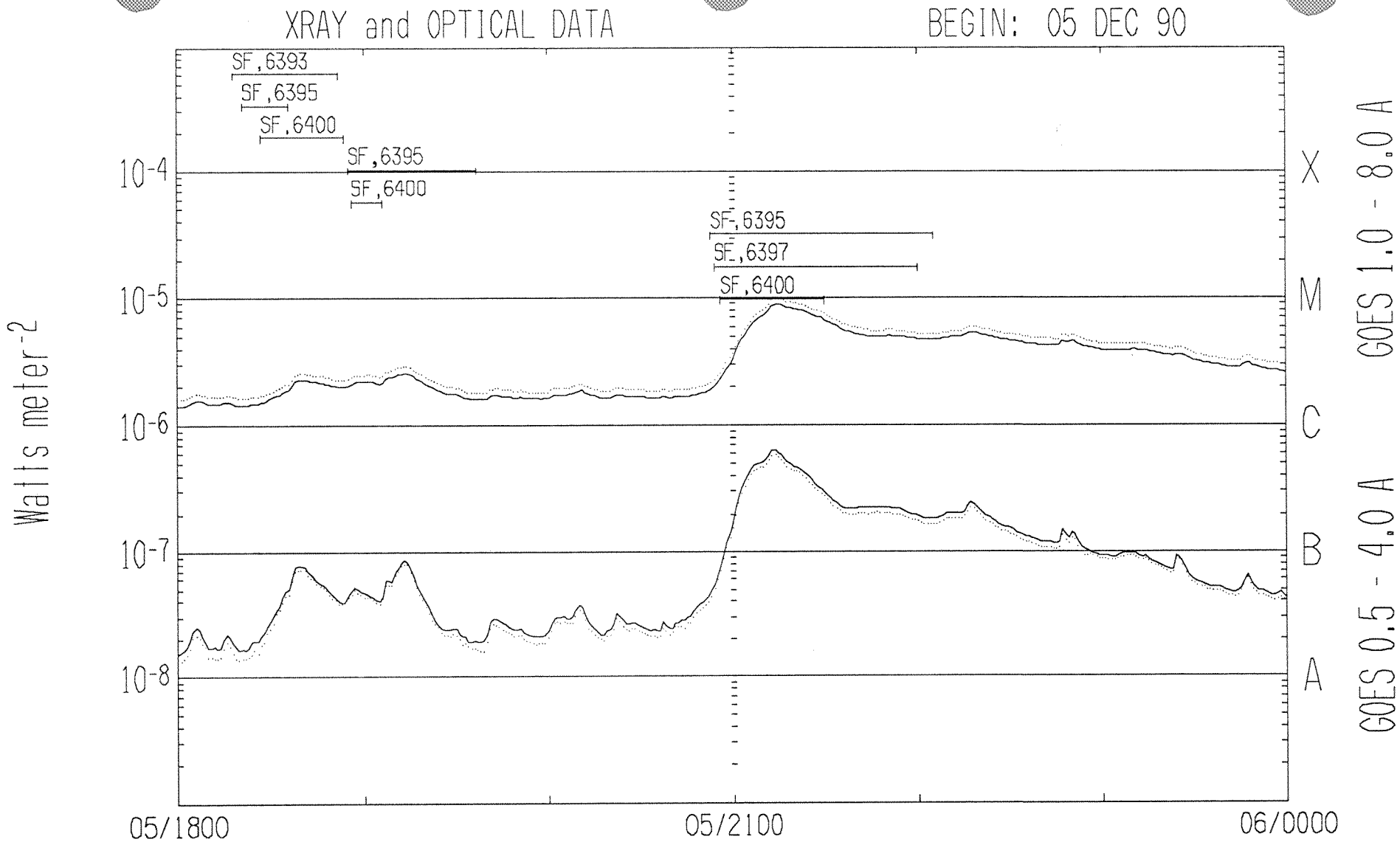
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
05/1200
05/1500
05/1800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SF,6400
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SF,6397
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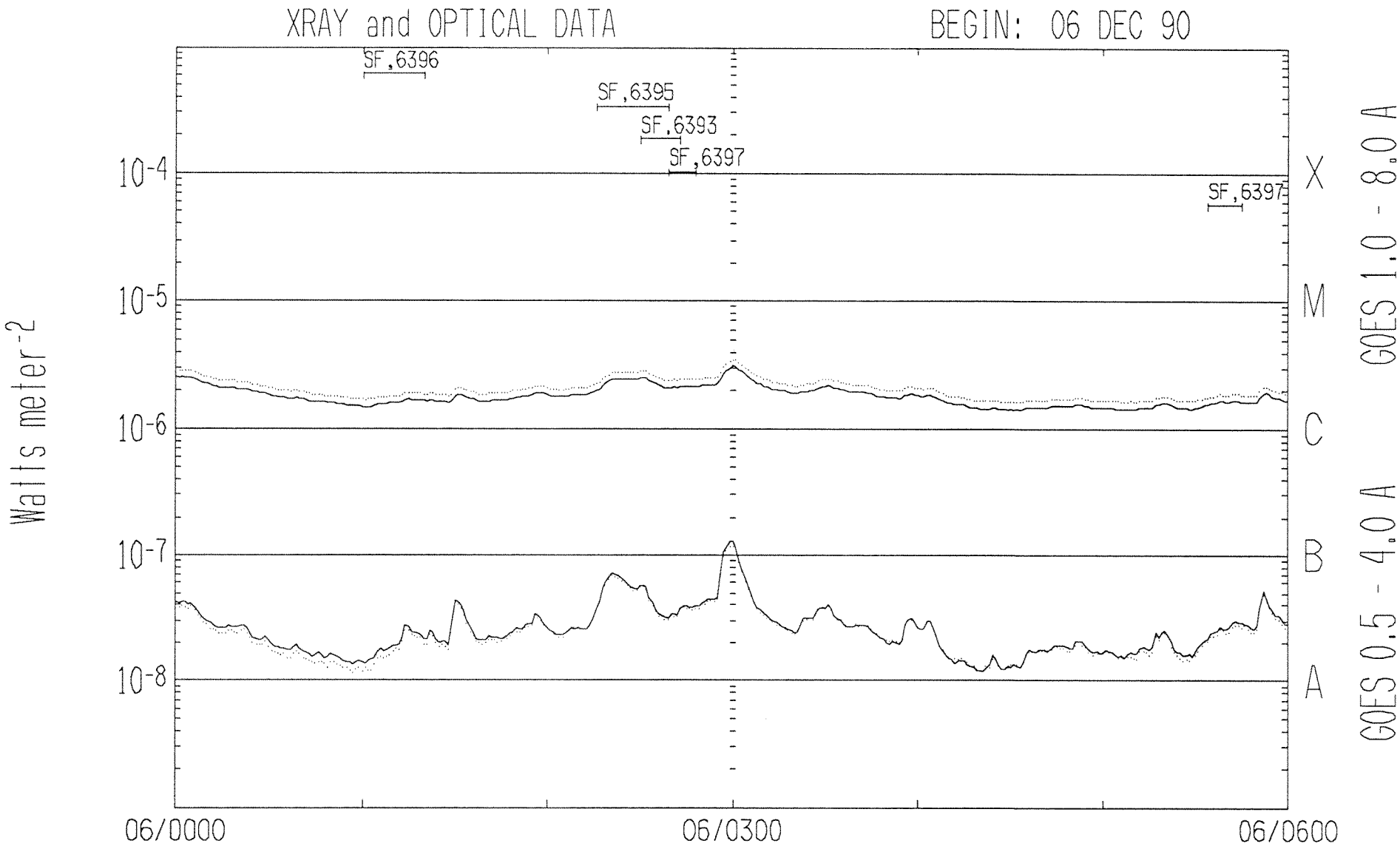
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
05/1800
05/2100
06/0000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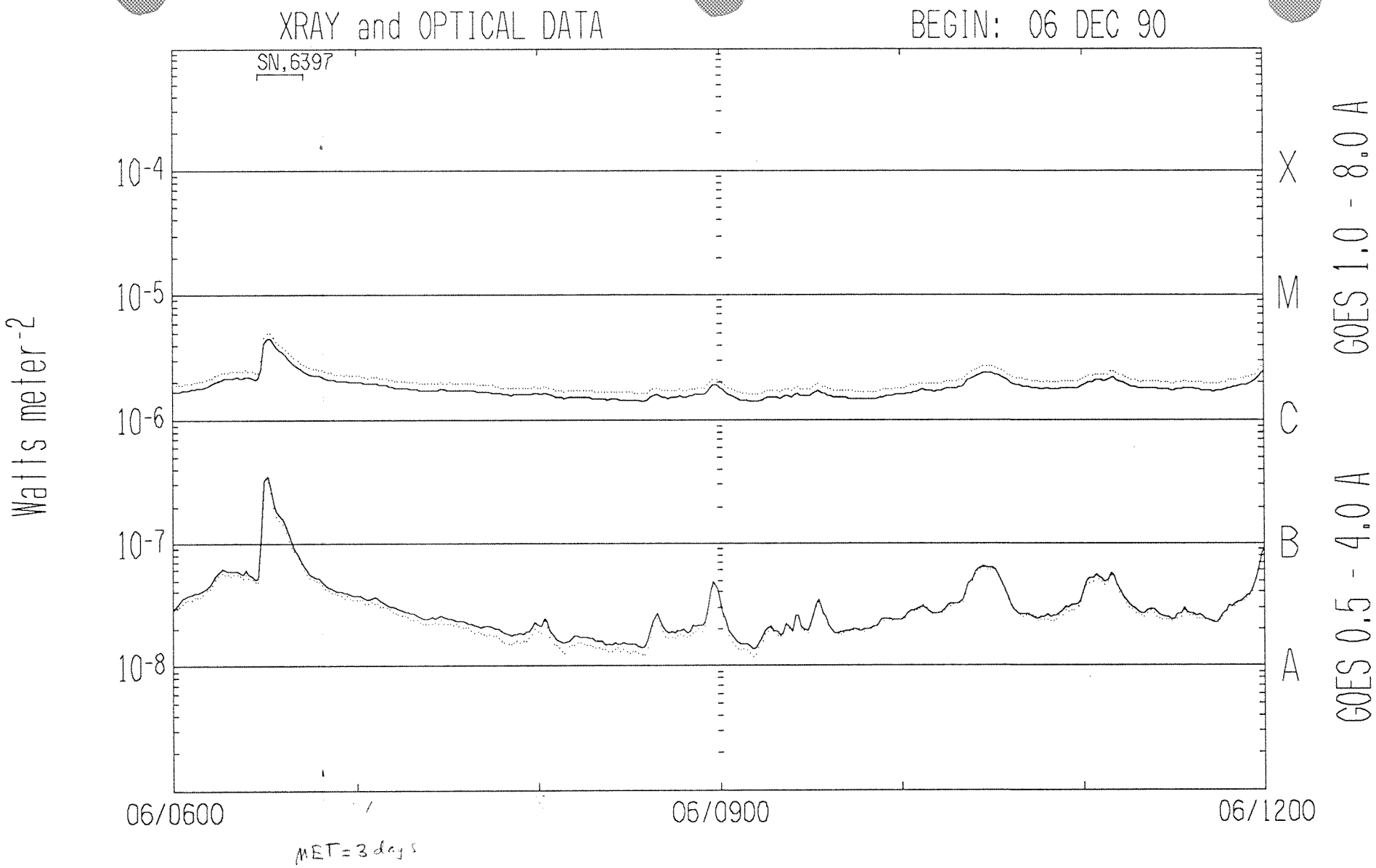
SF,6393
SF,6397
SF,6397
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
Watts meter-2
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
06/0000
06/0300
06/0600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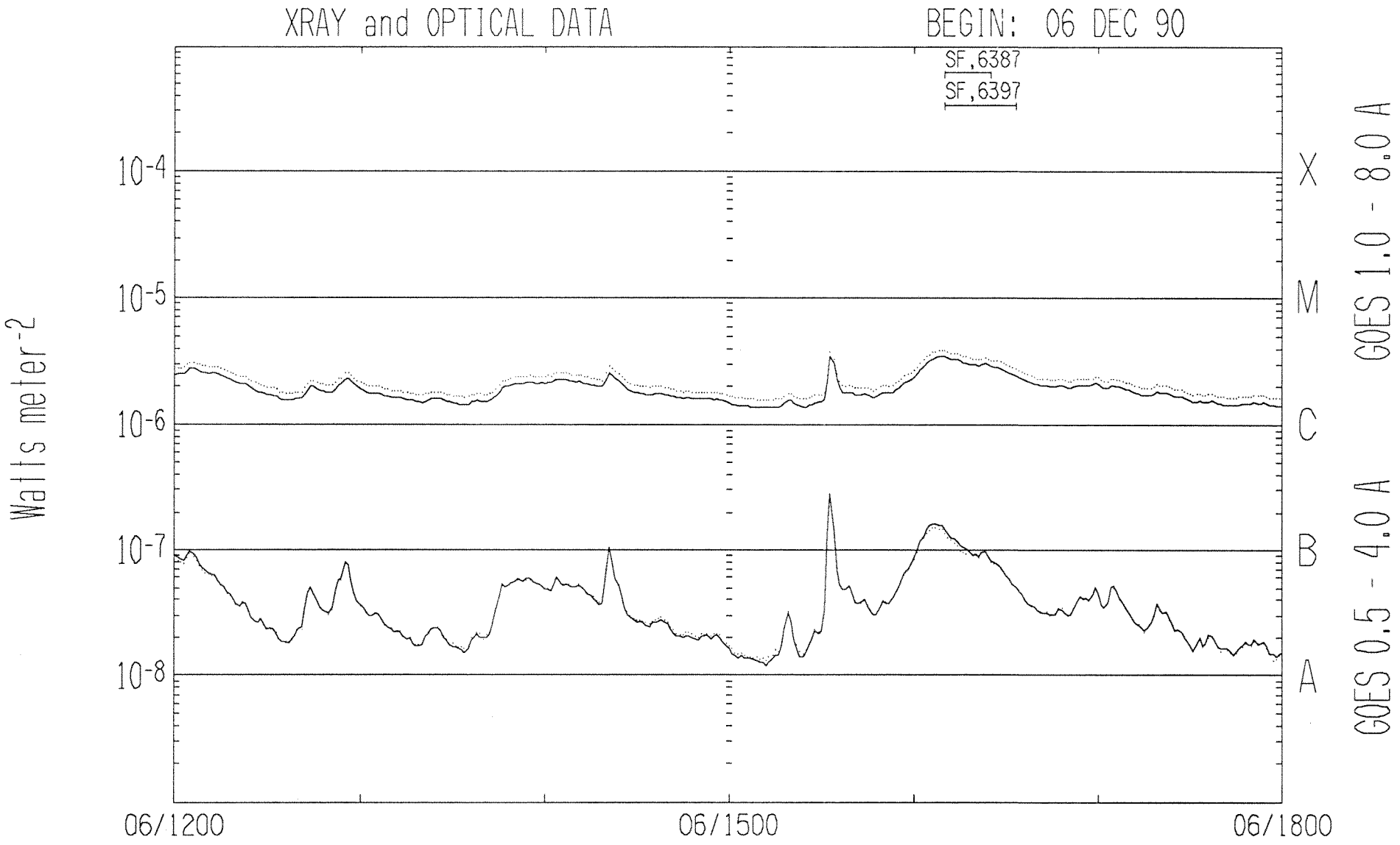
SN,6397
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
06/0600
06/0900
06/1200
MET=3 days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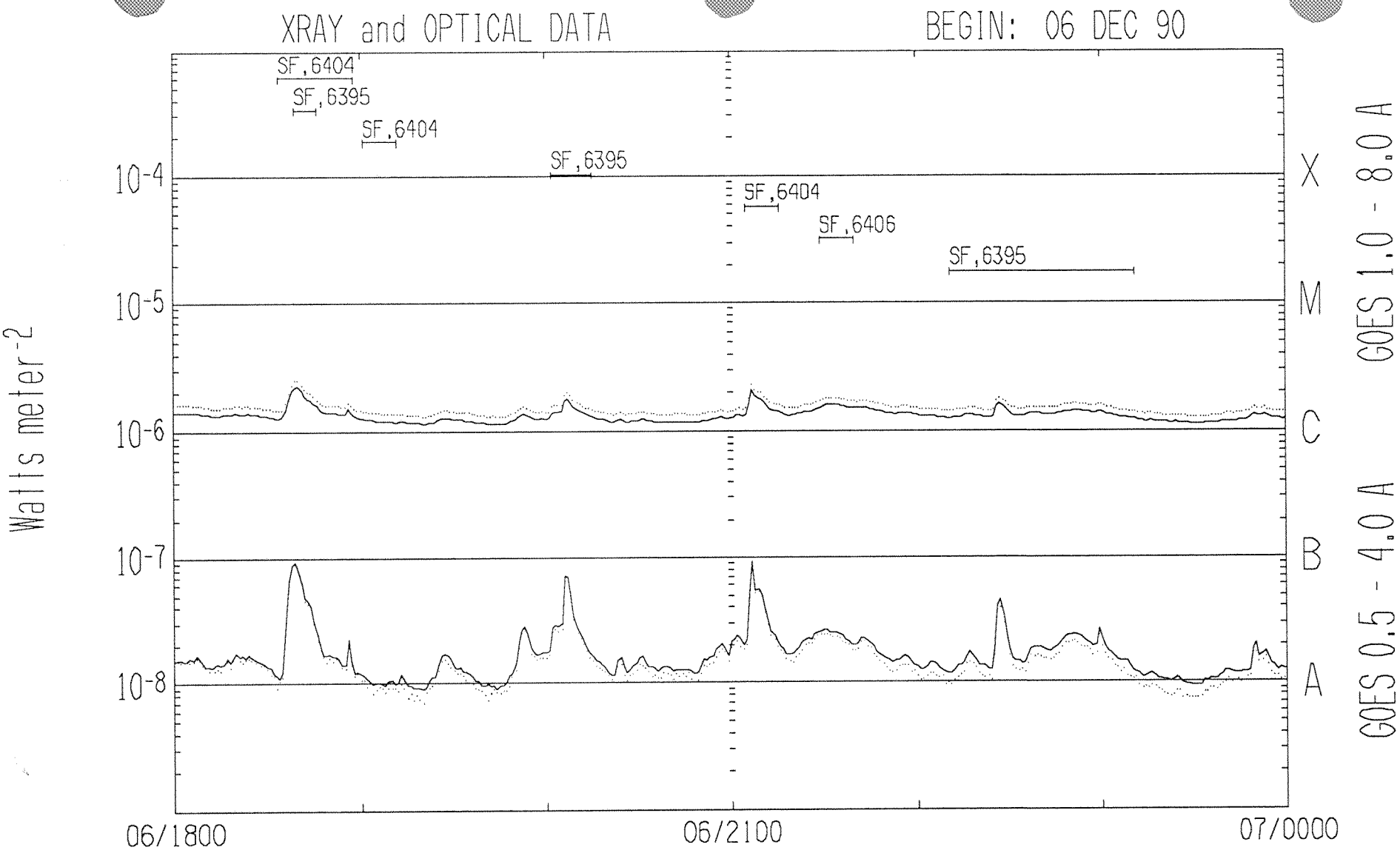
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
06/1200
06/1500
06/1800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SF,6395
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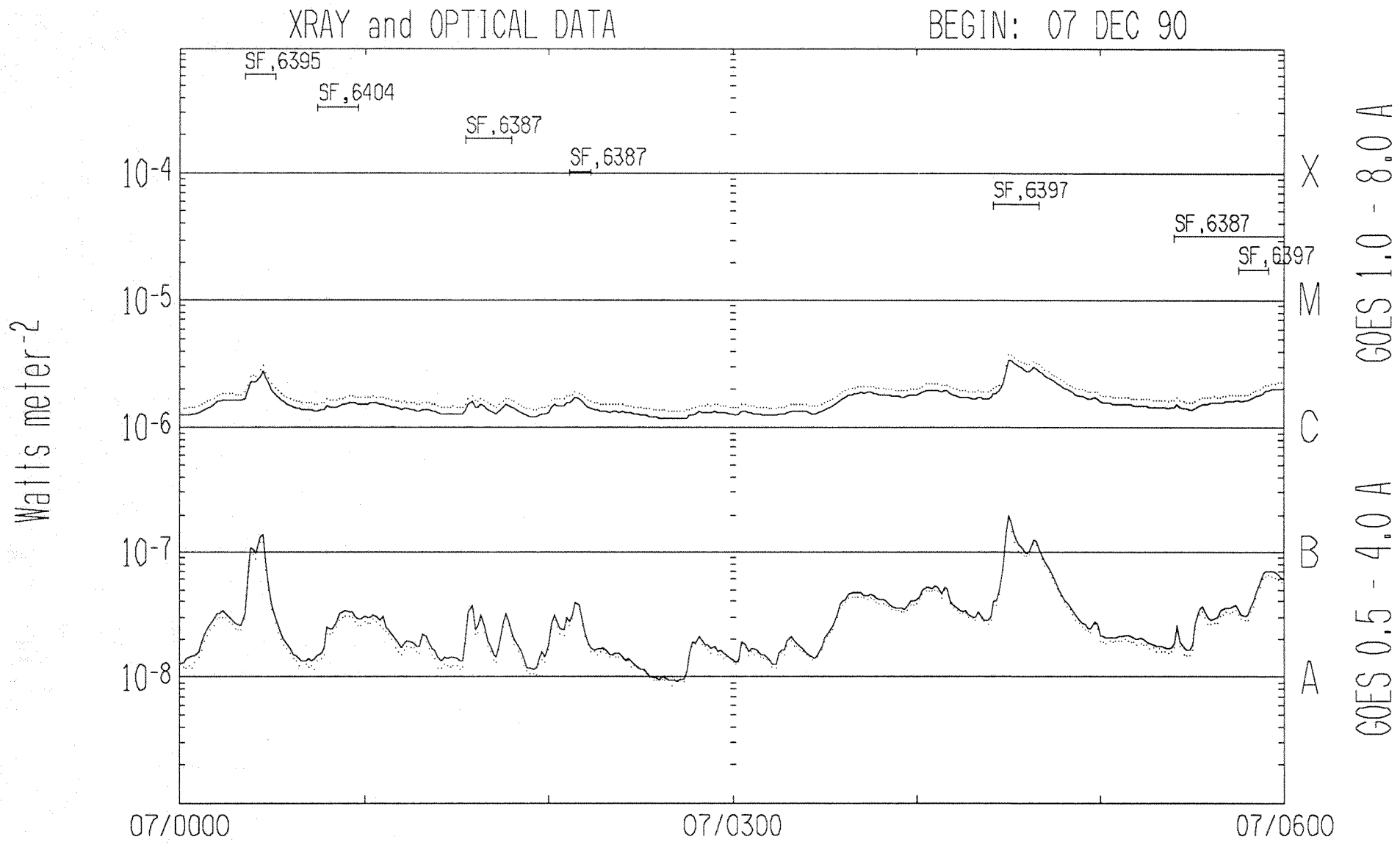
SF,6395
10-4
10-5
10-6
10-7
10-8
Watts meter-2
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
06/1800
06/2100
07/0000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SF,6397
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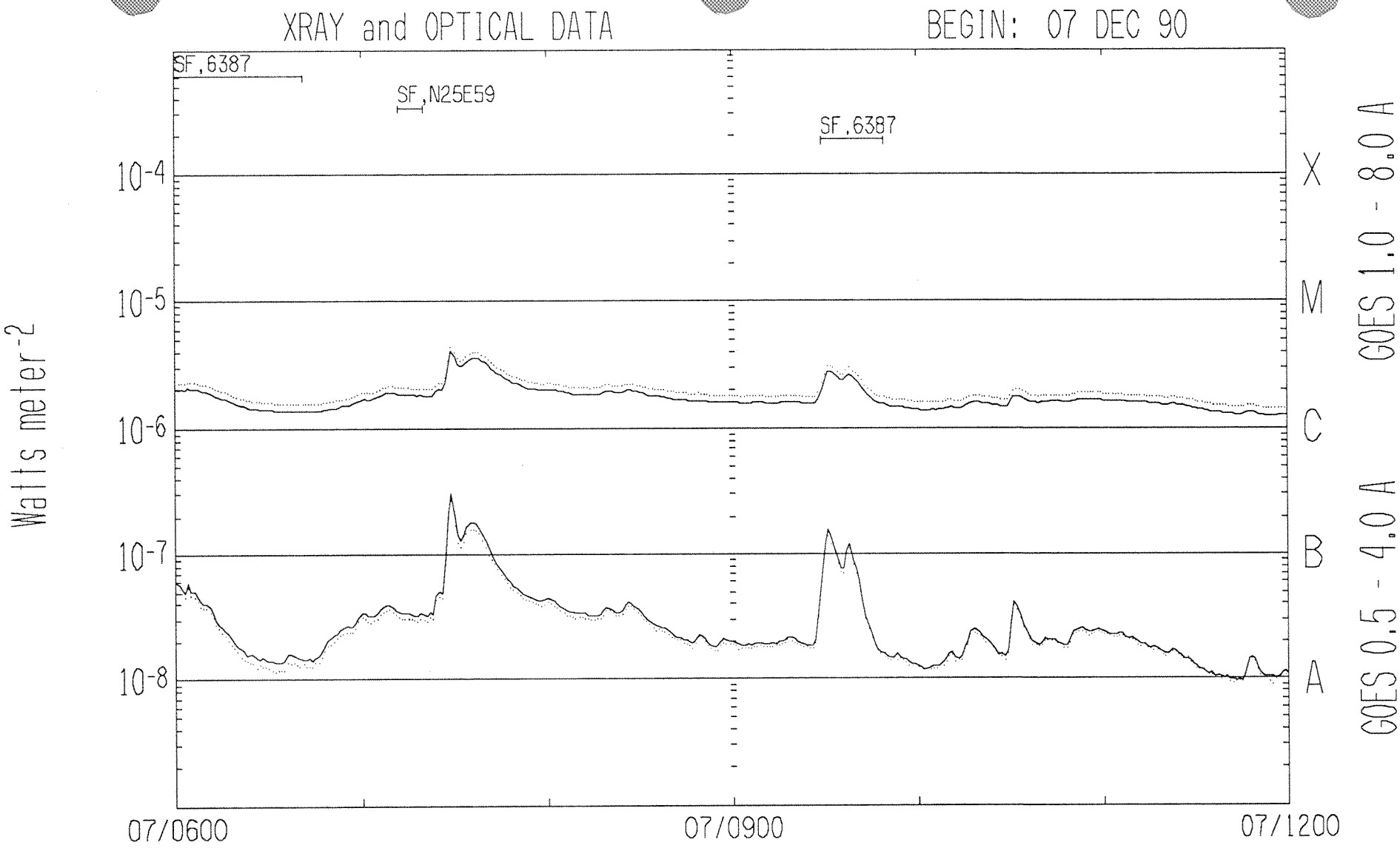
10-5
10-6
10-7
10-8
X
M
C
B
A
Watts meter-2
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
07/0000
07/0300
07/0600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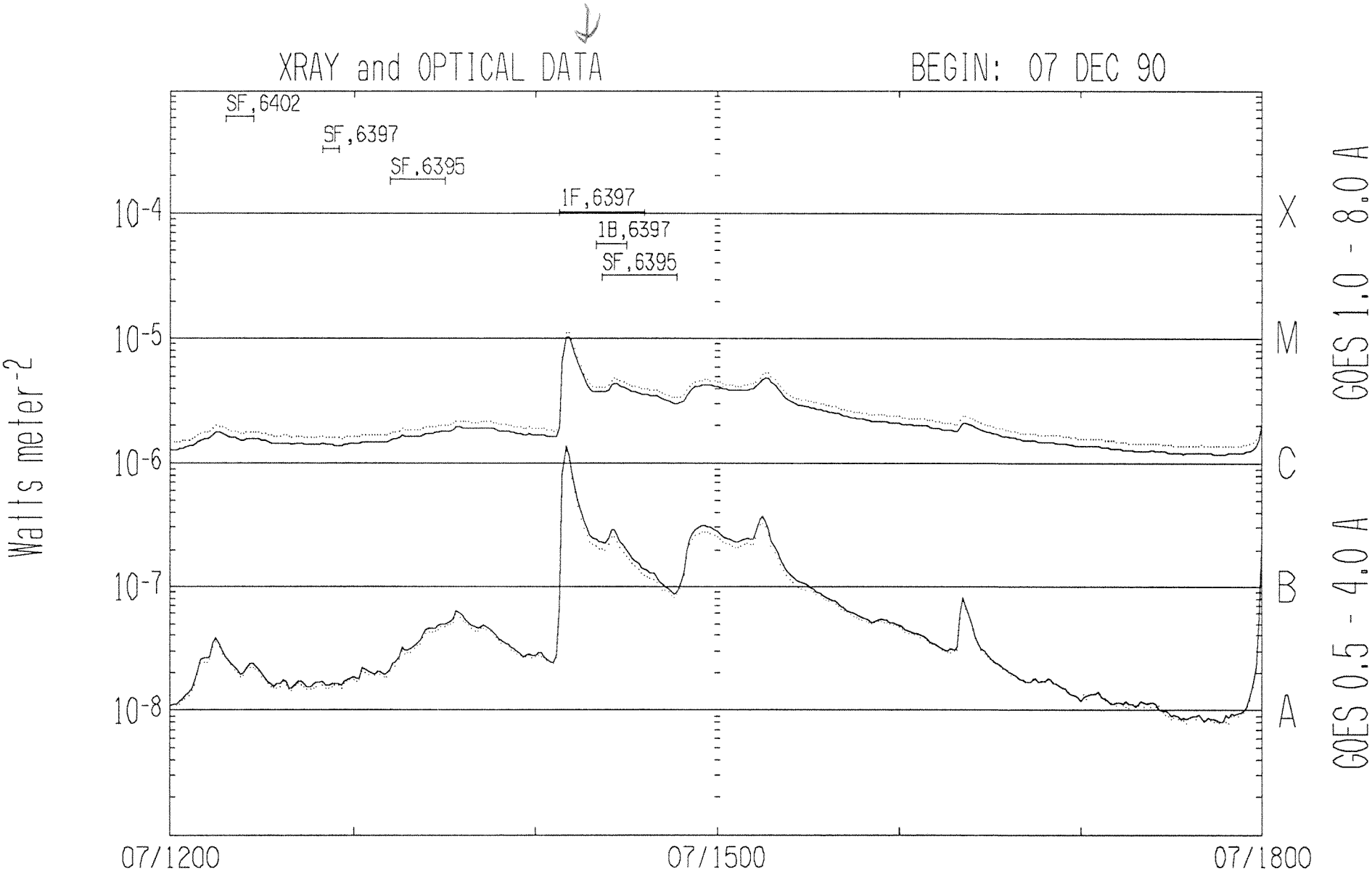
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
07/0600
07/0900
07/1200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1B,6397
SF,6395
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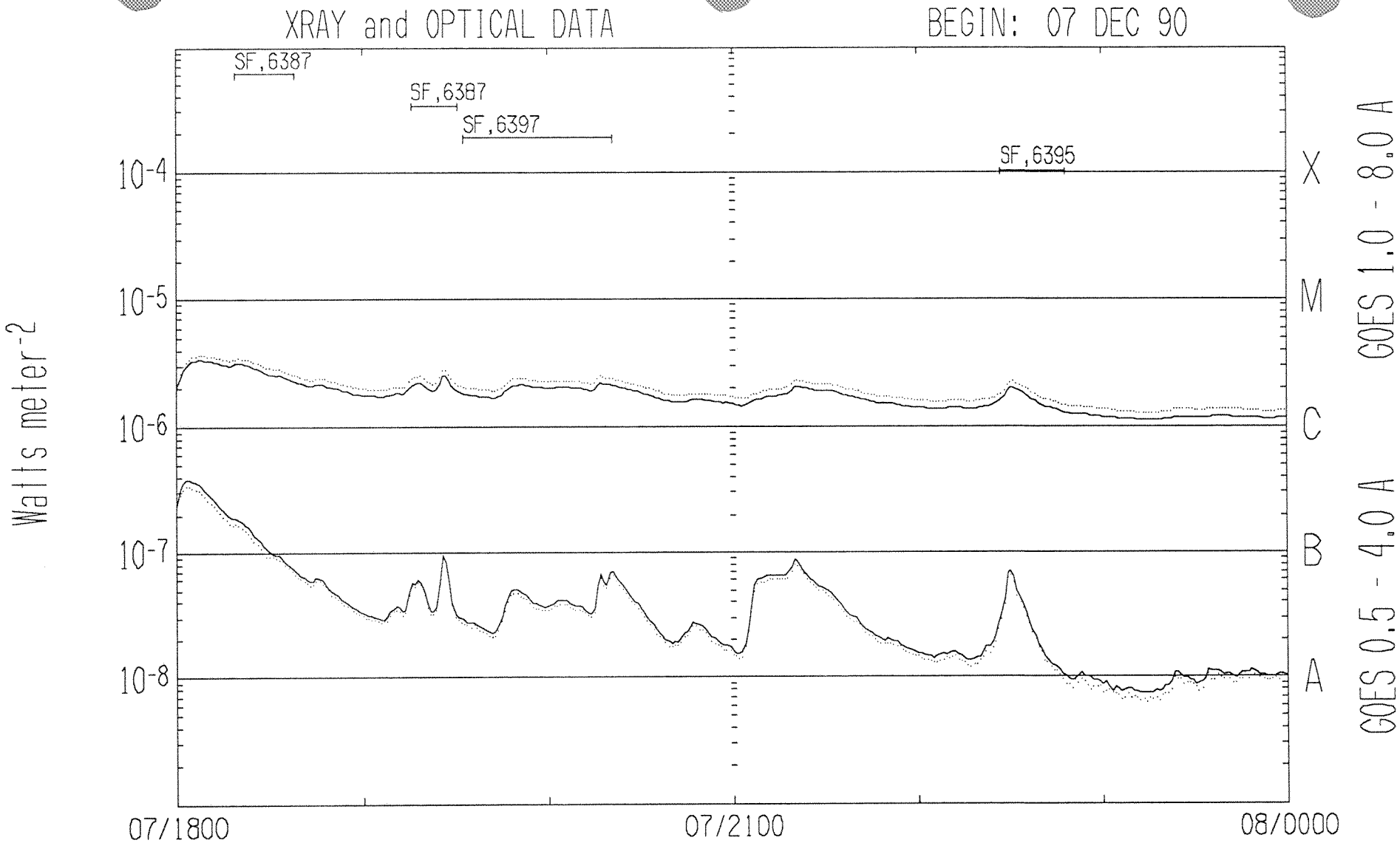
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
07/1200
07/1500
07/1800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SF,6397
SF,6395
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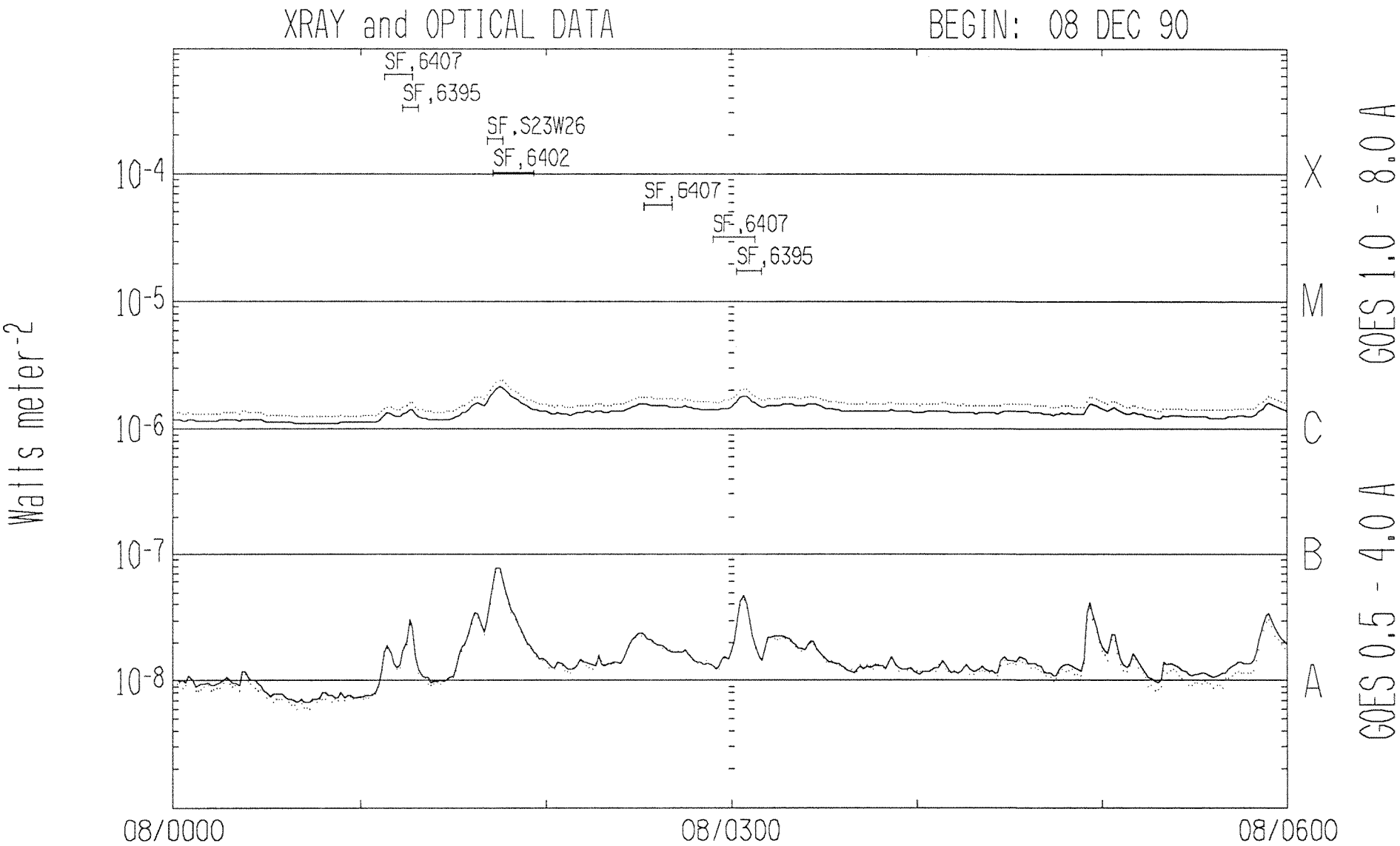
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
07/1800
07/2100
08/0000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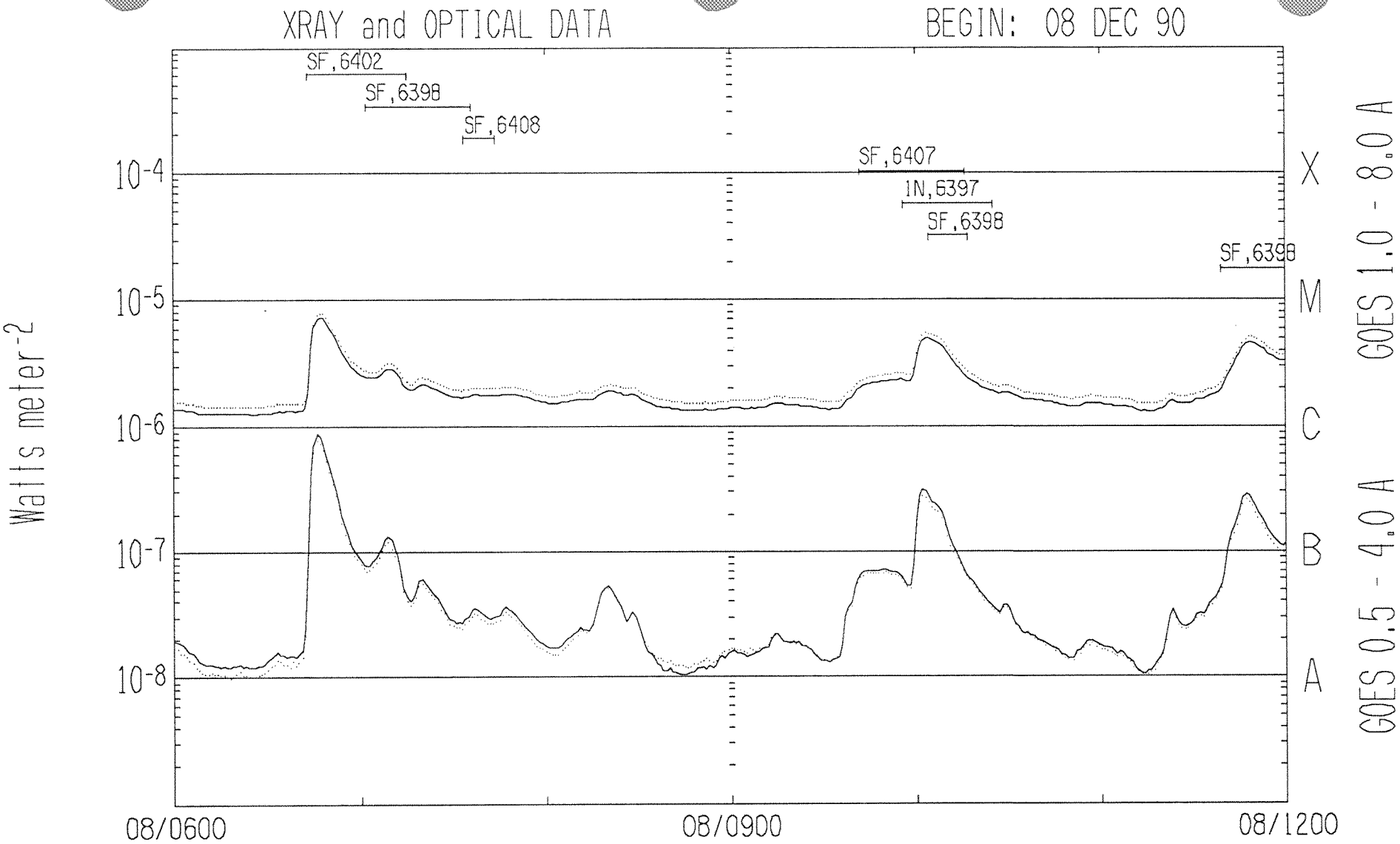
SF,6395
SF,S23W26
SF,6402
SF,6407
SF,6407
SF,6395
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
08/0000
08/0300
08/0600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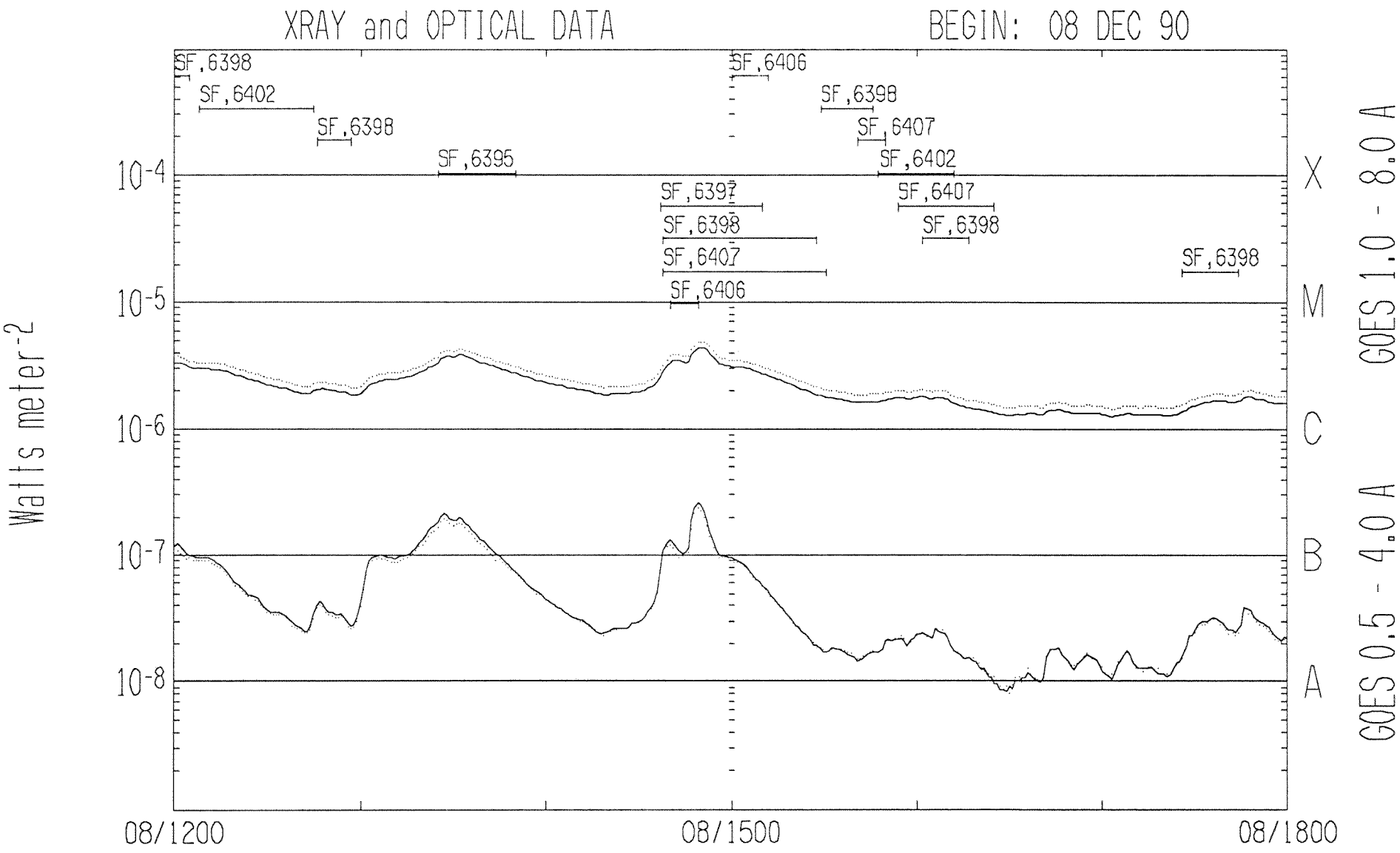
SF,6408
SF,6407
1N,6397
SF,6398
SF,6398
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
Watts meter-2
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
08/0600
08/0900
08/1200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SF,6398
SF,6395
SF,6406
SF,6398
SF,6407
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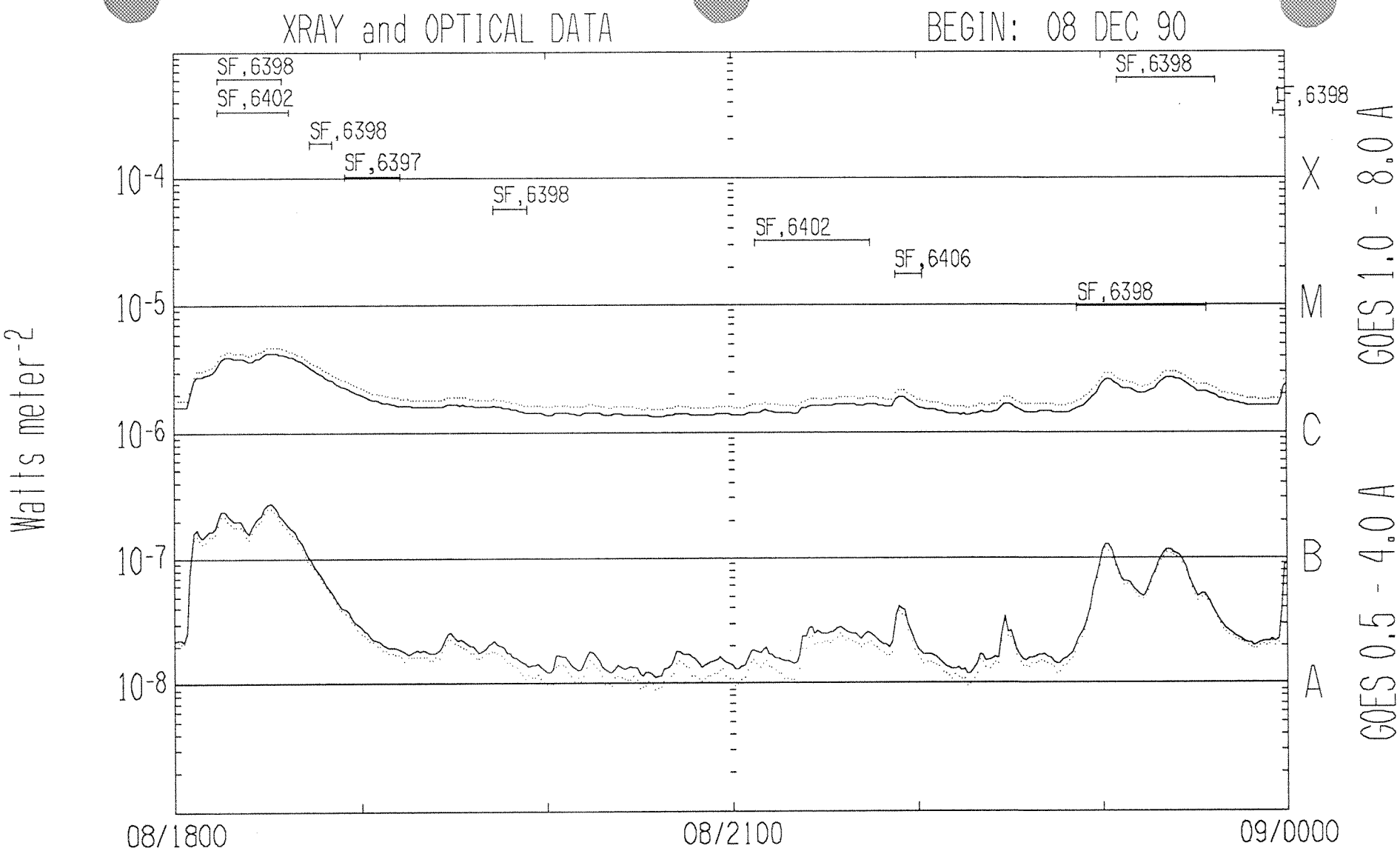
SF,6397
SF,6398
SF,6407
SF,6406
SF,6407
SF,6398
SF,6398
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
08/1200
08/1500
08/1800


XRAY and OPTICAL DATA
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SF,6398
SF,6402
SF,6398
SF,6397
SF,6398
SF,6402
SF,6406
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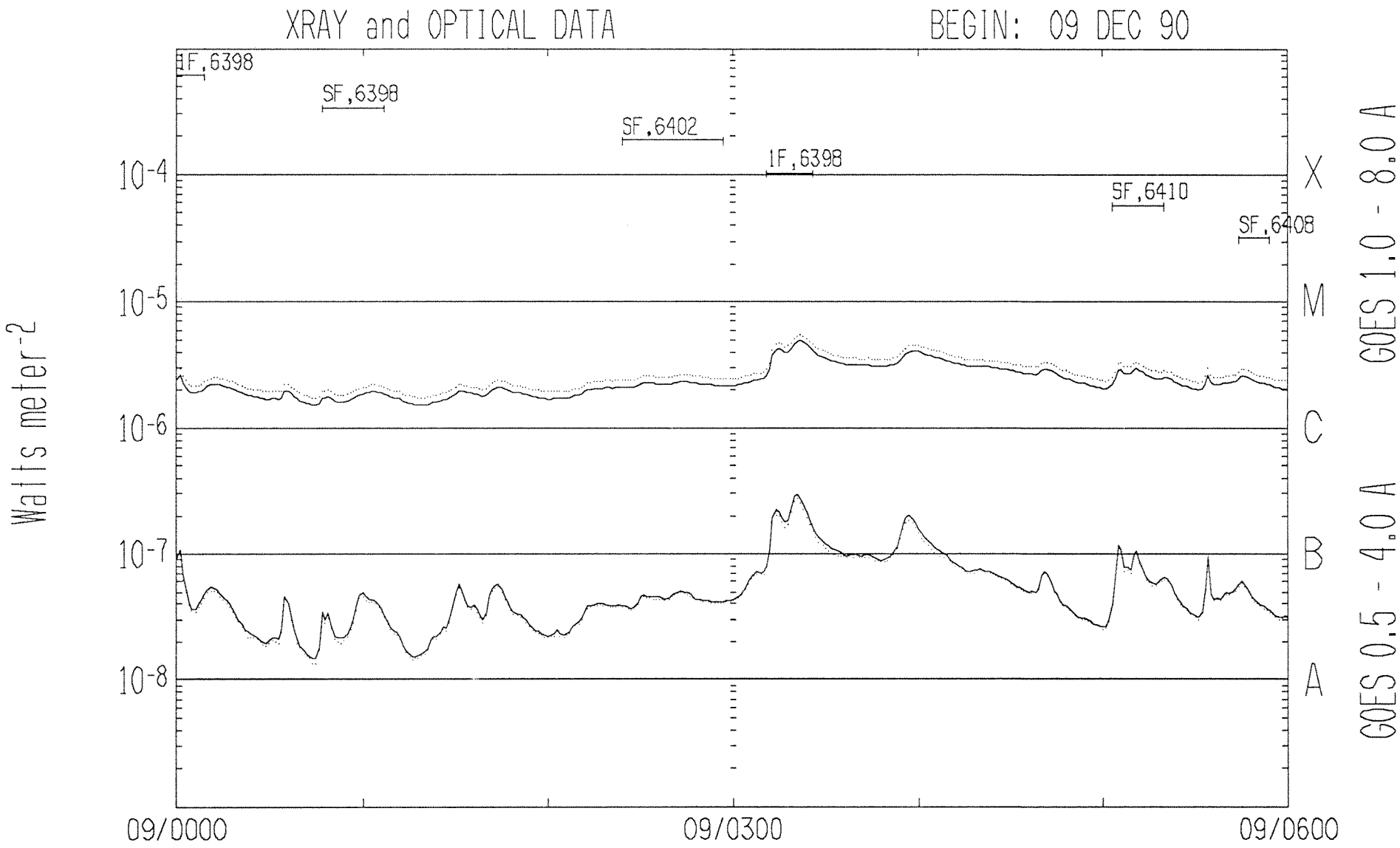
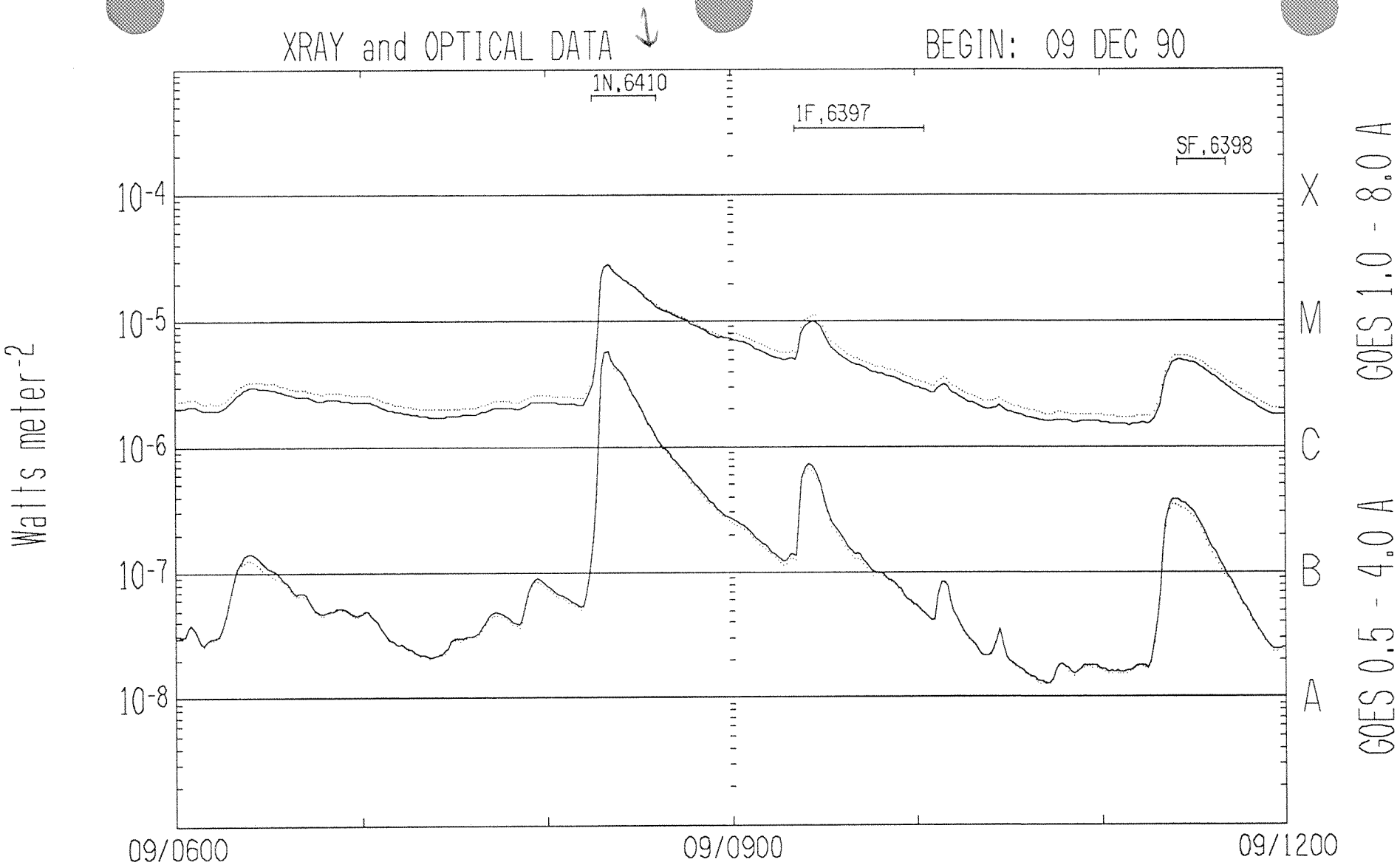
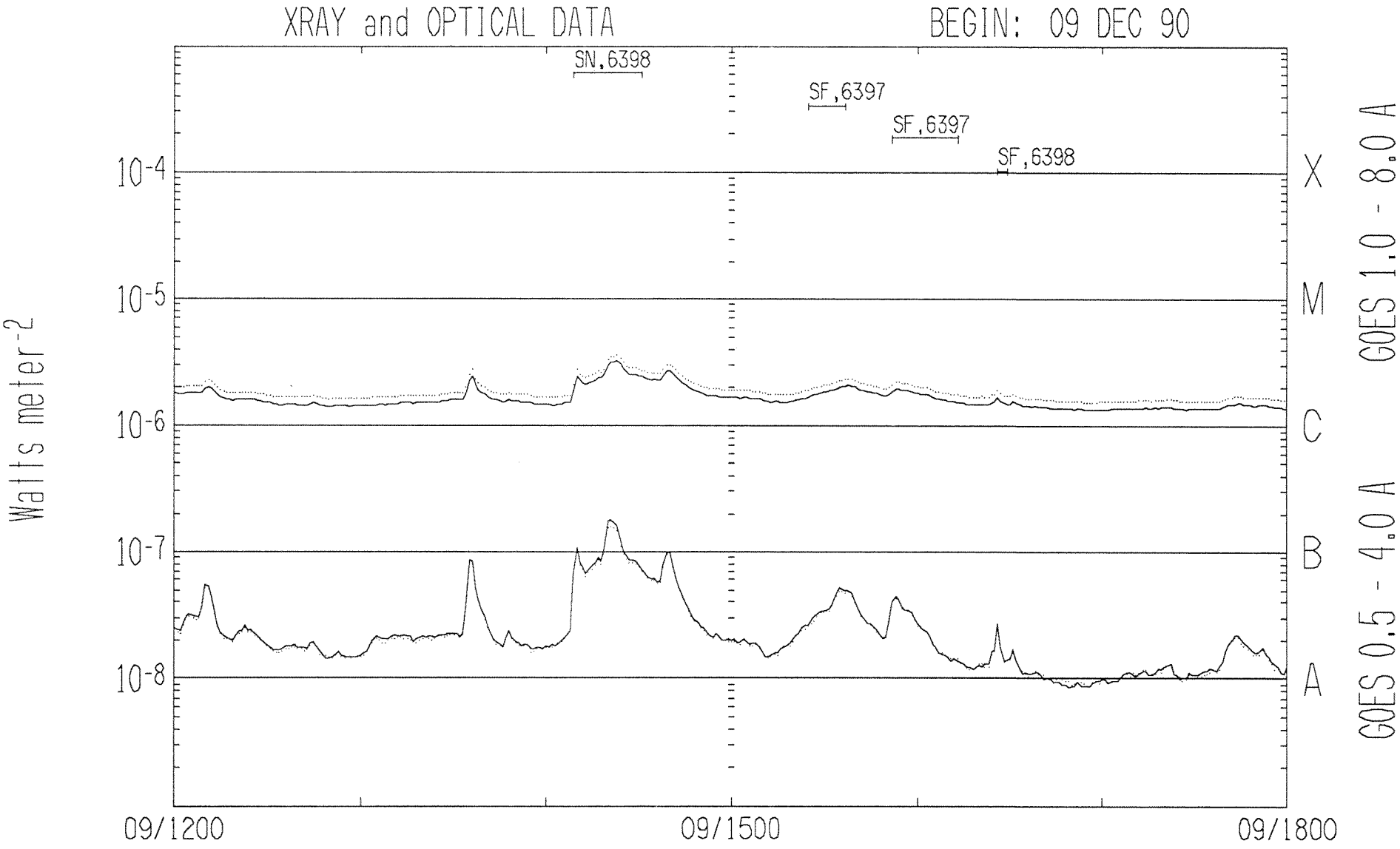
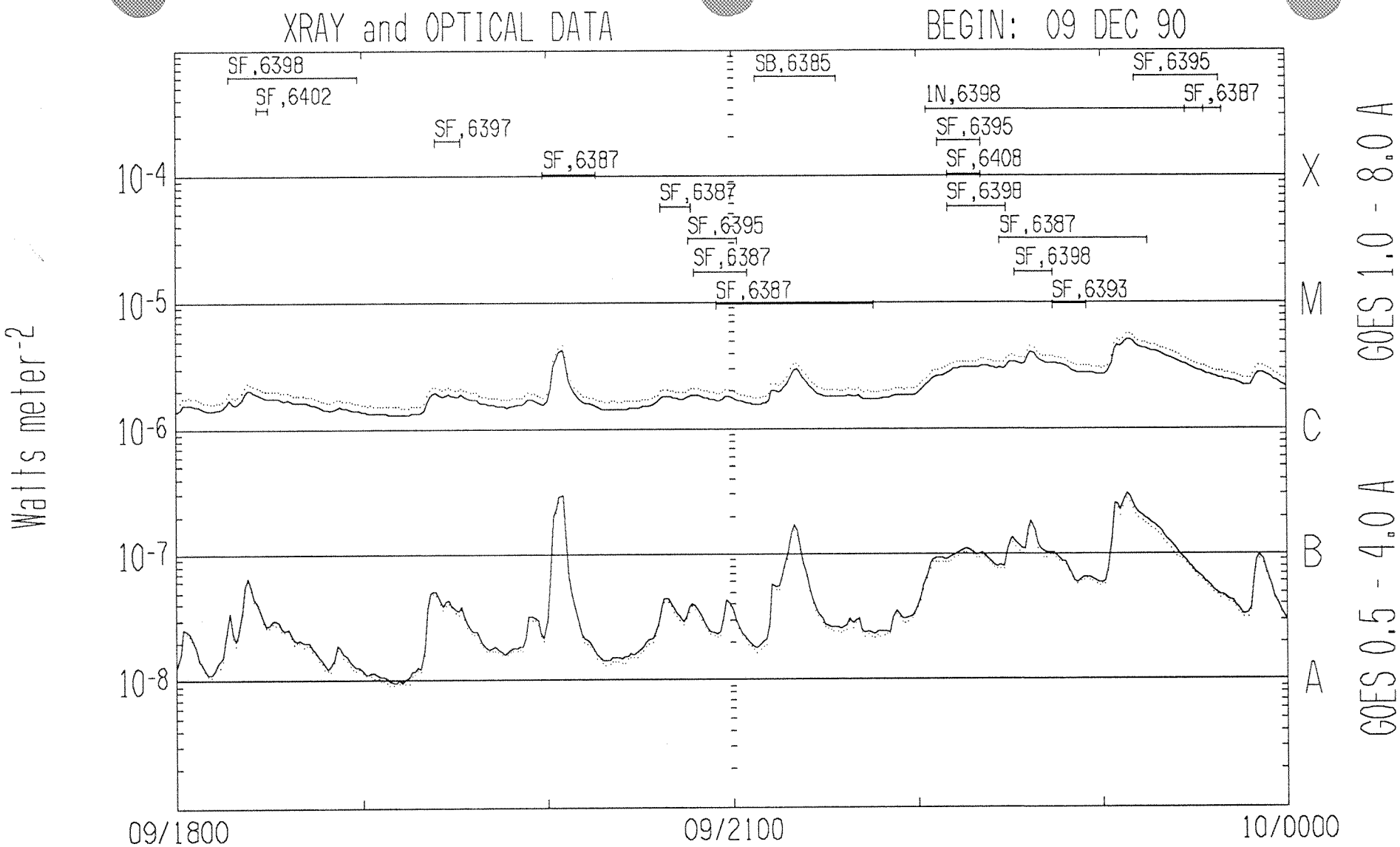
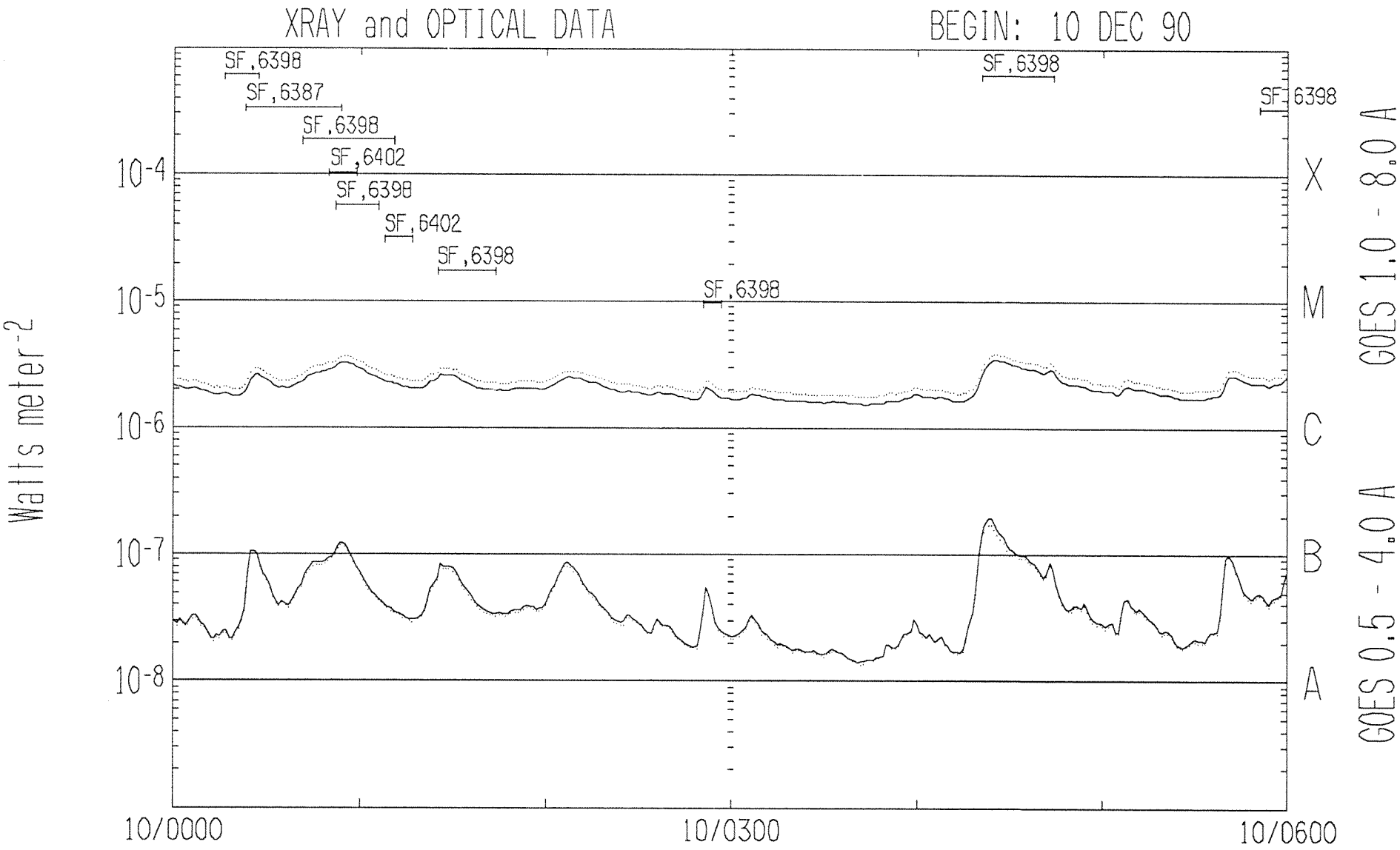
SF,6398
F,6398
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
08/1800
08/2100
09/0000

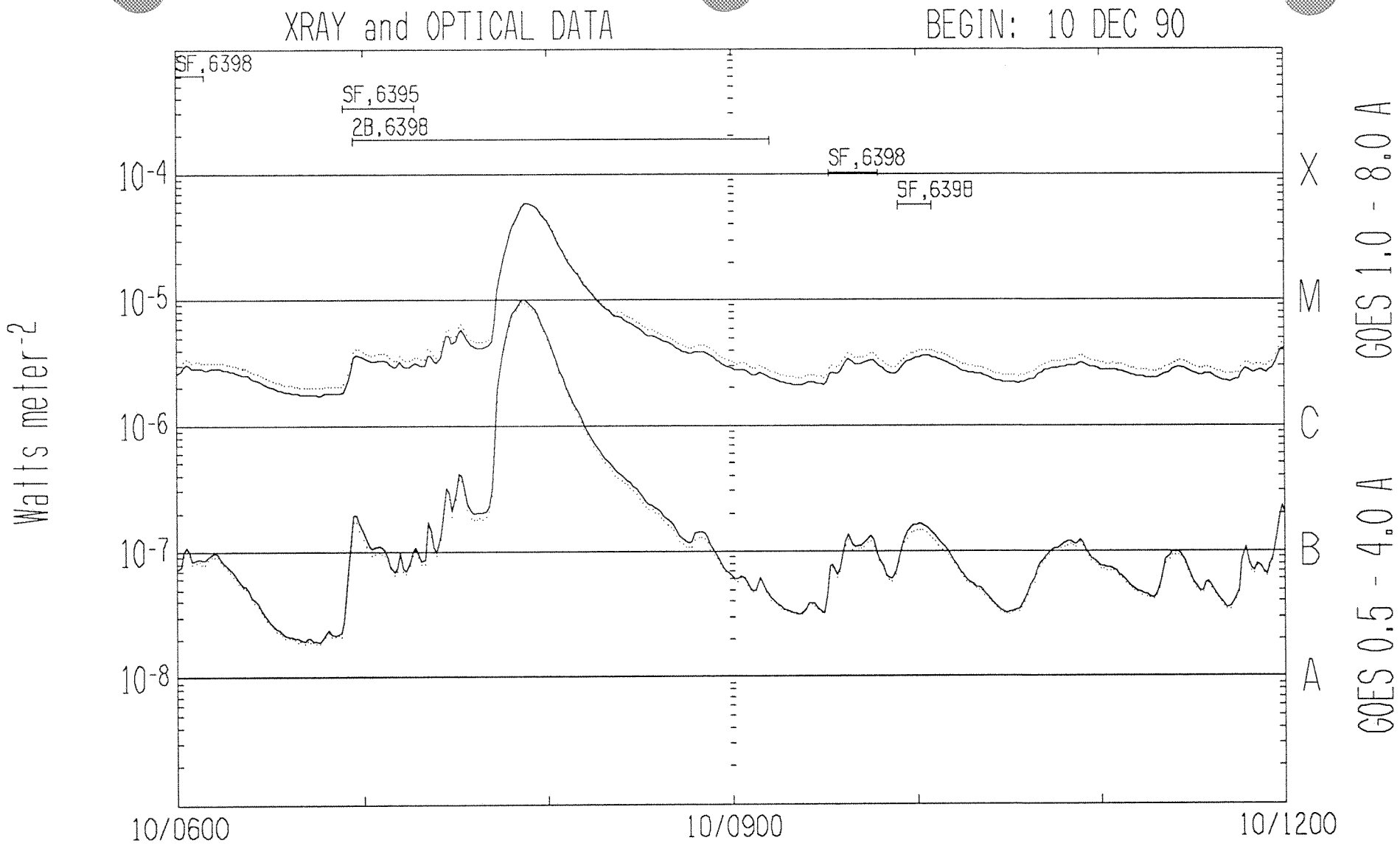

XRAY and OPTICAL DATA
BEGIN: 09 DEC 90
1F,6398
SF,6398
SF,6402
1F,6398
SF,6410
SF,6408
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
09/0000
09/0300
09/0600

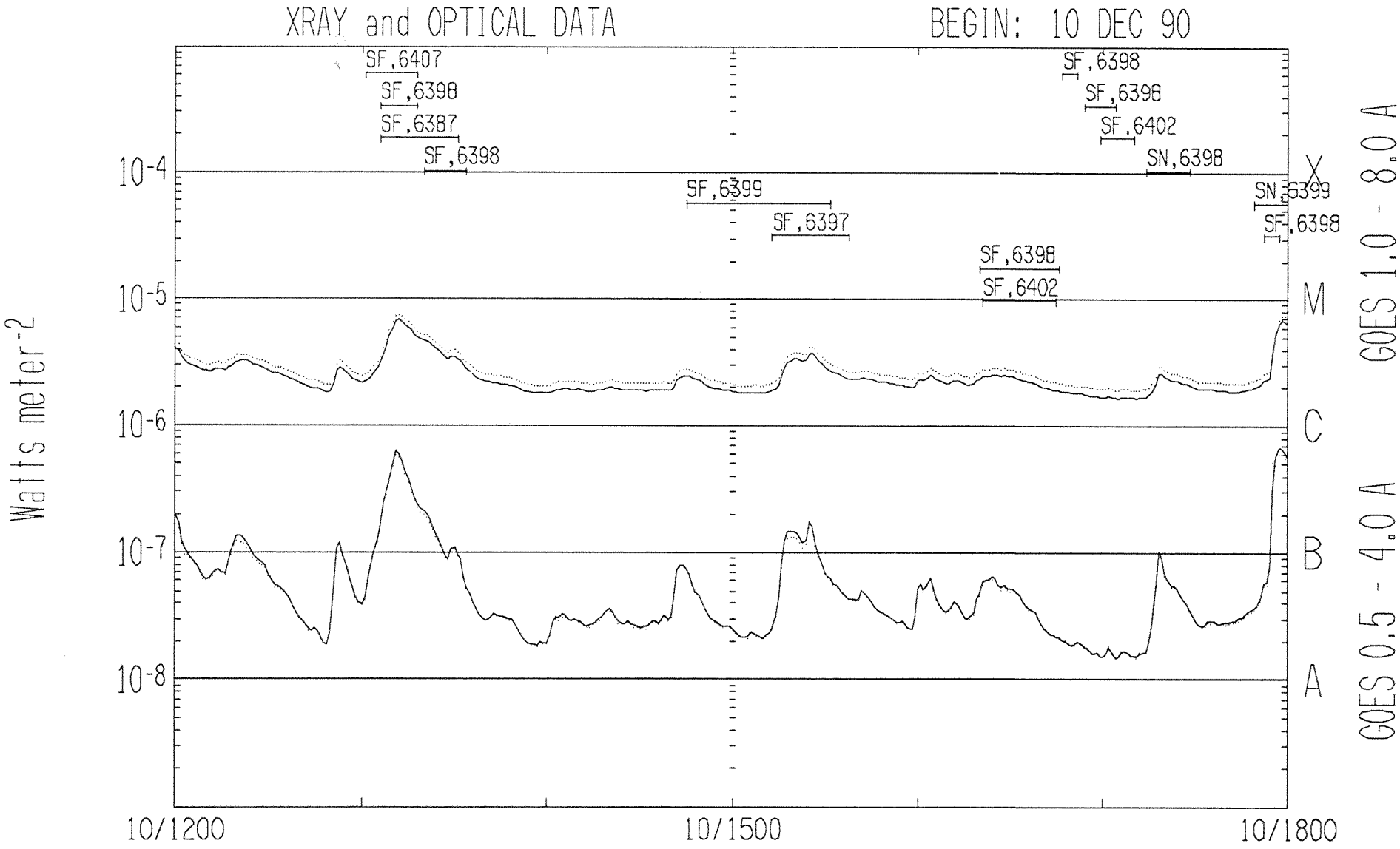

XRAY and OPTICAL DATA
BEGIN: 09 DEC 90
1N,6410
1F,6397
SF,6398
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
09/0600
09/0900
09/1200

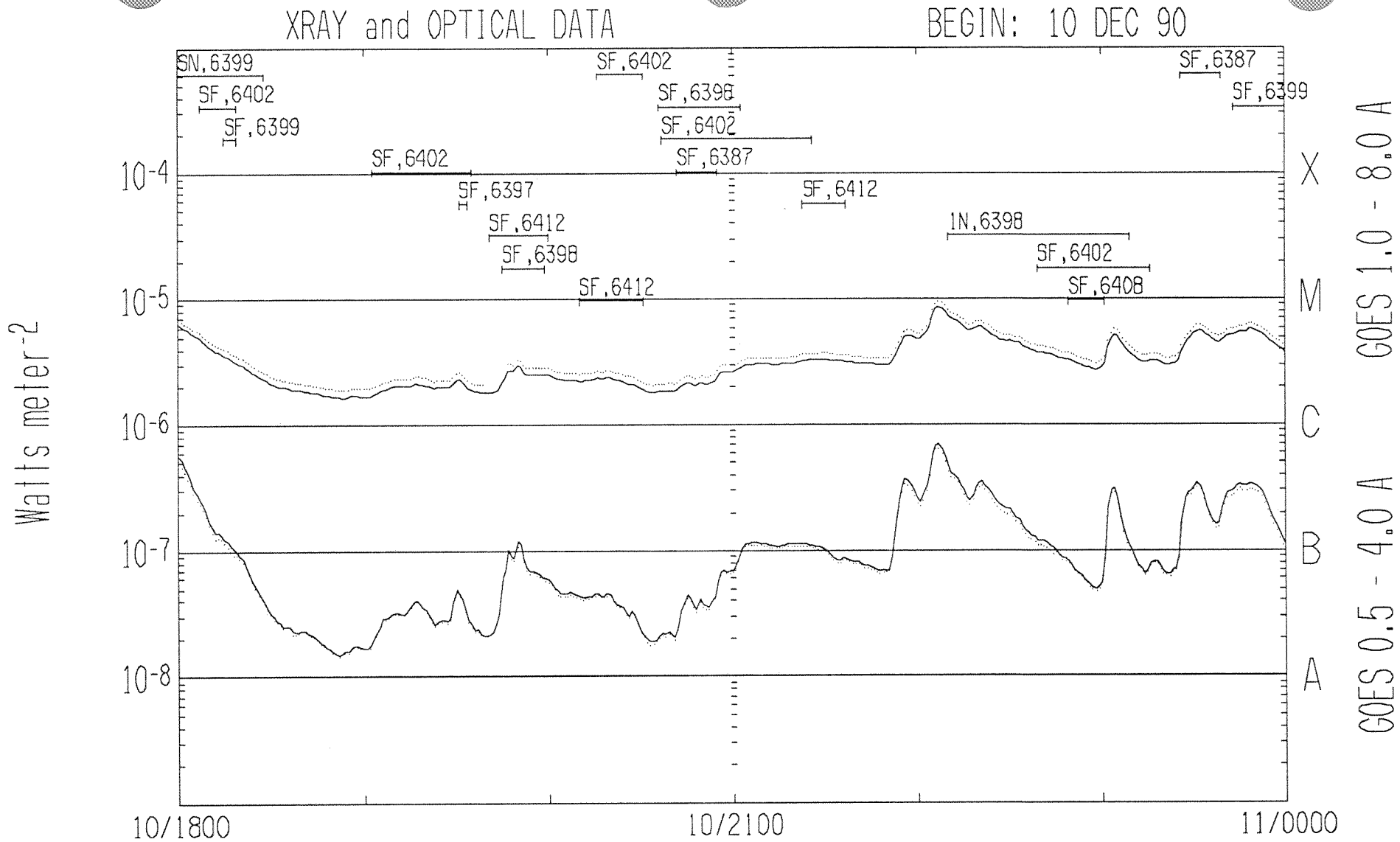

XRAY and OPTICAL DATA
BEGIN: 09 DEC 90
SN,6398
SF,6397
SF,6397
SF,6398
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
09/1200
09/1500
09/1800


XRAY and OPTICAL DATA
BEGIN: 09 DEC 90
SF,6398
SF,6402
SF,6397
SF,6387
SB,6385
SF,6387
SF,6395
SF,6387
SF,6387
IN,6398
SF,6395
SF,6408
SF,6398
SF,6387
SF,6398
SF,6393
SF,6395
SF,6387
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
09/1800
09/2100
10/0000


XRAY and OPTICAL DATA
BEGIN: 10 DEC 90
SF,6398
SF,6387
SF,6398
SF,6402
SF,6398
SF,6402
SF,6398
SF,6398
SF,6398
SF,6398
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
10/0000
10/0300
10/0600


XRAY and OPTICAL DATA
BEGIN: 10 DEC 90
SF,6398
SF,6395
2B,6398
SF,6398
SF,6398
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
10/0600
10/0900
10/1200


XRAY and OPTICAL DATA
BEGIN: 10 DEC 90
SF,6407
SF,6398
SF,6387
SF,6398
SF,6399
SF,6397
SF,6398
SF,6402
SF,6398
SF,6398
SF,6402
SN,6398
SN,6399
SF,6398
Watts meter-2
10-4
10-5
10-6
10-7
10-8
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
10/1200
10/1500
10/1800


XRAY and OPTICAL DATA
BEGIN: 10 DEC 90
SN,6399
SF,6402
SF,6399
SF,6402
SF,6397
SF,6412
SF,6398
SF,6412
SF,6402
SF,6398
SF,6402
SF,6387
SF,6412
IN,6398
SF,6402
SF,6408
SF,6387
SF,6399
10-4
10-5
10-6
10-7
10-8
Watts meter-2
X
M
C
B
A
GOES 1.0 - 8.0 A
GOES 0.5 - 4.0 A
10/1800
10/2100
11/0000