WESTERN REGION TECHNICAL ATTACHMENT
NO. 87-12
March 3, 1987

FINAL SECTOR PLAN FOR TWO-GOES OPERATIONS

Now that GOES 7 has been successfully launched, it is time to start thinking about what kind of sector coverage and schedules we can expect from the finally resumed two-GOES operation. That is the subject of the attached memo. Forecasters will have a much bigger variety of images to choose from, including hourly water vapor pictures. Furthermore, with SWIS and its capability to automatically schedule different dial codes at different times of the day, WSFOs will be able to easily take advantage of this wider array of products.

U.S. DEPARTMENT OF COMMERCE
National Oceanic and Atmospheric Administration
NATIONAL WEATHER SERVICE
Silver Spring, Md. 20910

W/OM12:MTY

FEB 17 1987

MEMORANDUM FOR: Addressees Listed Below

FROM: James L. Rasmussen
Director, Office of Meteorology

SUBJECT: Final Sector Plan for Two-GOES Operations

REFERENCE: W/OM12:MTY memorandum dated November 21, 1986, Entitled: Draft Sector Plan for Two-GOES Operations

The launch window for GOES-7 begins on February 24, 1987, and extends through March 2, 1987. Launch time is scheduled each day at 2248 GMT. Following is the plan for the return to a two-GOES operation based on a successful launch on February 24. Should there be a delay in the launch of GOES-7, the dates and events listed below will slip accordingly.

GOES-7 will be located at 75°W longitude and is expected to become the operational GOES-East satellite on March 30, 1987. At that time, GOES-6 will be moved at 1° per day from its present location at 108°W toward a permanent position at 135°W. Also on March 30, GOES-6 will become the GOES-West satellite and NESDIS will begin to distribute infra-red and visible sectors from both GOES-East and GOES-West according to the attached plan. The location of GOES-West sectors will remain stable throughout the repositioning period. On May 1, 1987, NESDIS will begin to distribute "C" scale water-vapor (6.7 micron) sectors.

In November 1986, I distributed a second, draft sector plan for a two-GOES configuration which described numerous changes to previous operations. Regional response to this draft plan which have been incorporated into the attached final plan are listed as follows:

1. The WA1 sector has been moved 3° further east and now covers all of Colorado and Wyoming and provides more coverage to the southeast of Arizona.

2. The water-vapor sectors will be transmitted once per hour (H) at H+30 minutes (GOES-East) and H+15 minutes (GOES-West).

Other suggestions from the Alaska and Eastern Regions will be investigated later as more resources become available. Once again, thank you for your comments and suggestions.

Please distribute the attached information to each WSFO within your jurisdiction.

Attachments

ADDRESSEES:
W/ER - H. Hassel
W/SR - R. Landis
W/CR - R. Augulis
W/WR - T. Grayson
W/AR - S. Bigler
W/PR - R. Hagemeyer
W/NMC - W. Bonner
W/NMC6 - F. Ostby
W/NMC8 - N. Frank
E/SP2 - R. Mairs

cc: (w/attachments)
WSFO/WBC - D. Lowry
WSFO/SFO - B. Aldridge
WSFO/NEW - G. Trapp
WSFO/HNL - B. Hablutzel
WSFO/ANC - G. Hufford
W/NMC6 - T. Schoeni
W/NMC8 - M. Zimmer
Alden Electronics - R. Tatnall

Sector Mnemonic Definitions

1. First Character

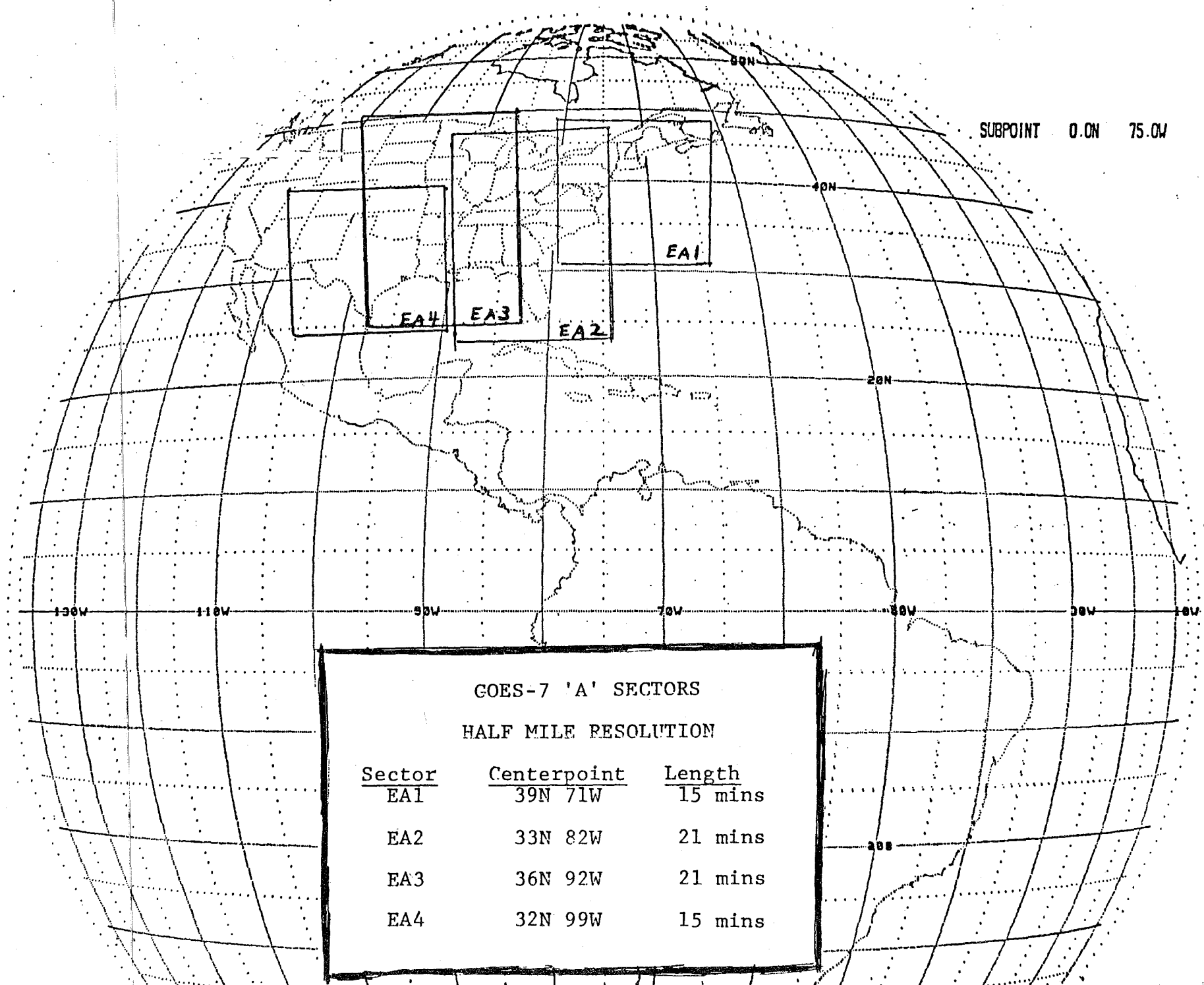
   E = East
   W = West
   D = WBC (DCA) SFSS floater
   S = SFO SFSS floater
   K = MKC SFSS floater
   N = NEW SFSS floater
   M = MIA SFSS floater

2. Second Character

   A = 1/2 nm (1km) resolution
   B = 1 nm (2km) resolution
   C = 2 nm (4km) resolution
   D = 4 nm (7km) resolution
   F = floater sectors of any resolution

3. Third Character

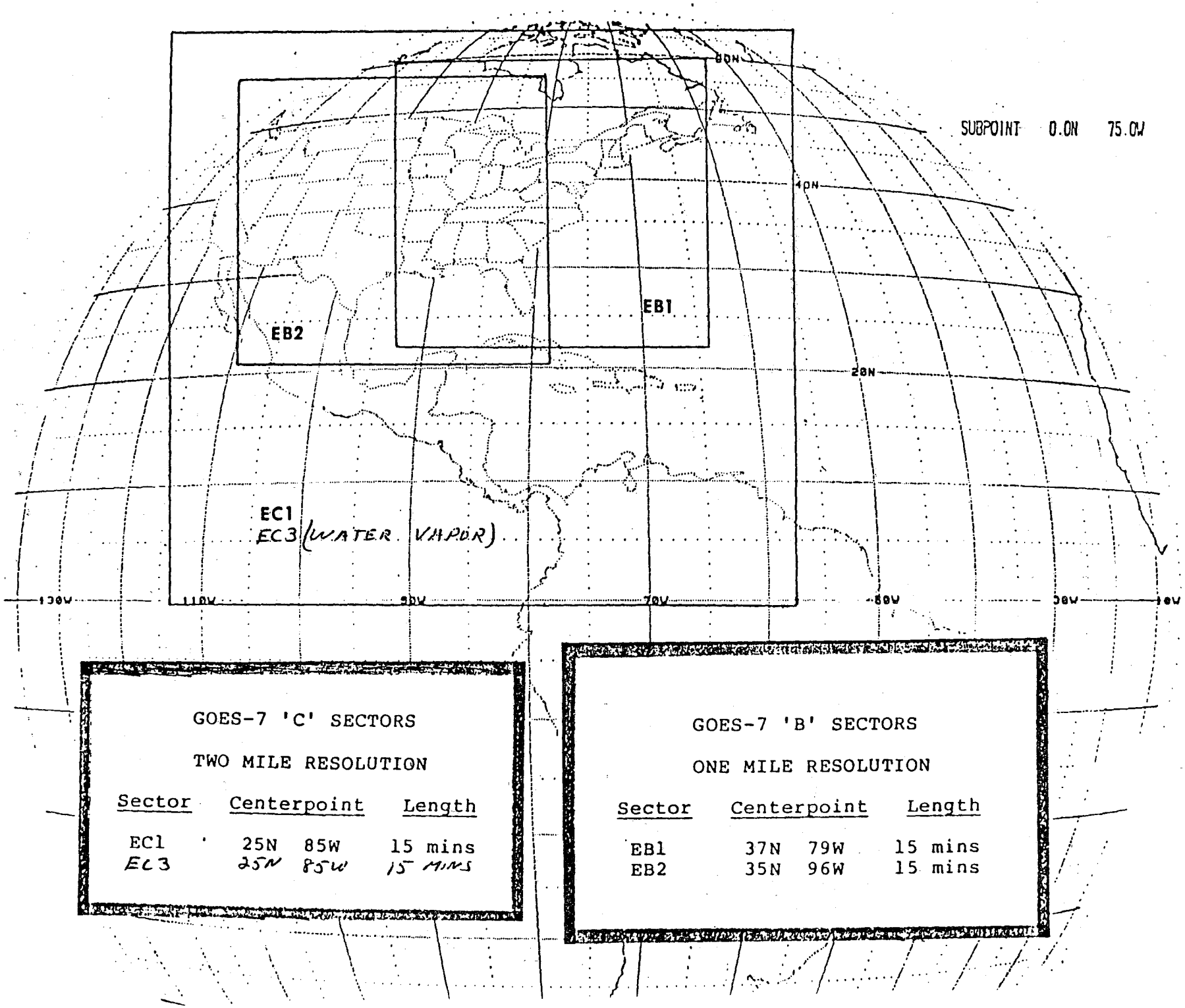
   Numerical sequence for otherwise commonly identified secctor (m = 1-9).



GOES-7 'A' SECTORS

HALF MILE RESOLUTION

Sector	Centerpoint	Length
EA1	39N 71W	15 mins
EA2	33N 82W	21 mins
EA3	36N 92W	21 mins
EA4	32N 99W	15 mins



GOES-7 'C' SECTORS

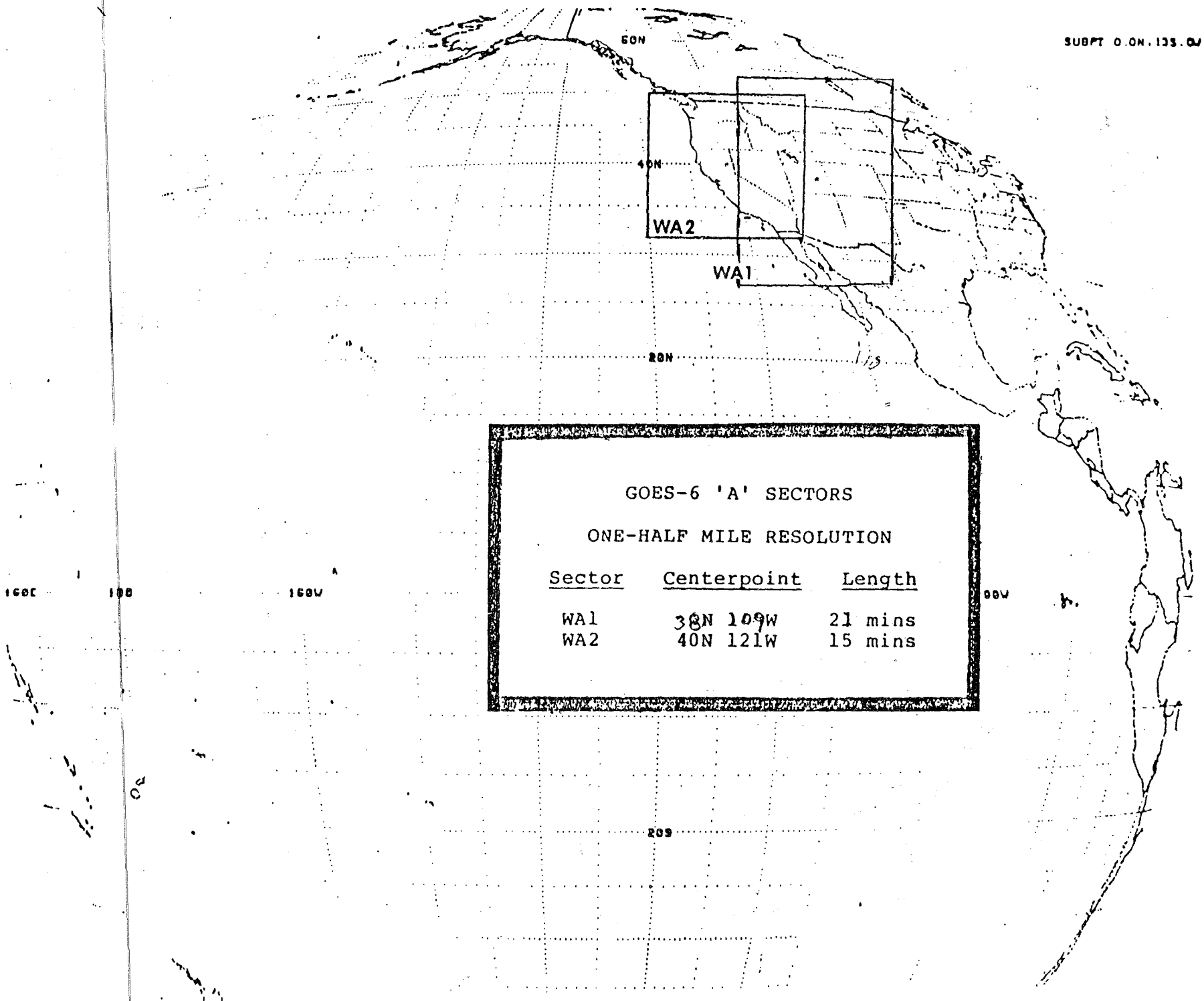
TWO MILE RESOLUTION

Sector	Centerpoint	Length
EC1	25N 85W	15 mins
EC3	25N 85W	15 MINS

GOES-7 'B' SECTORS

ONE MILE RESOLUTION

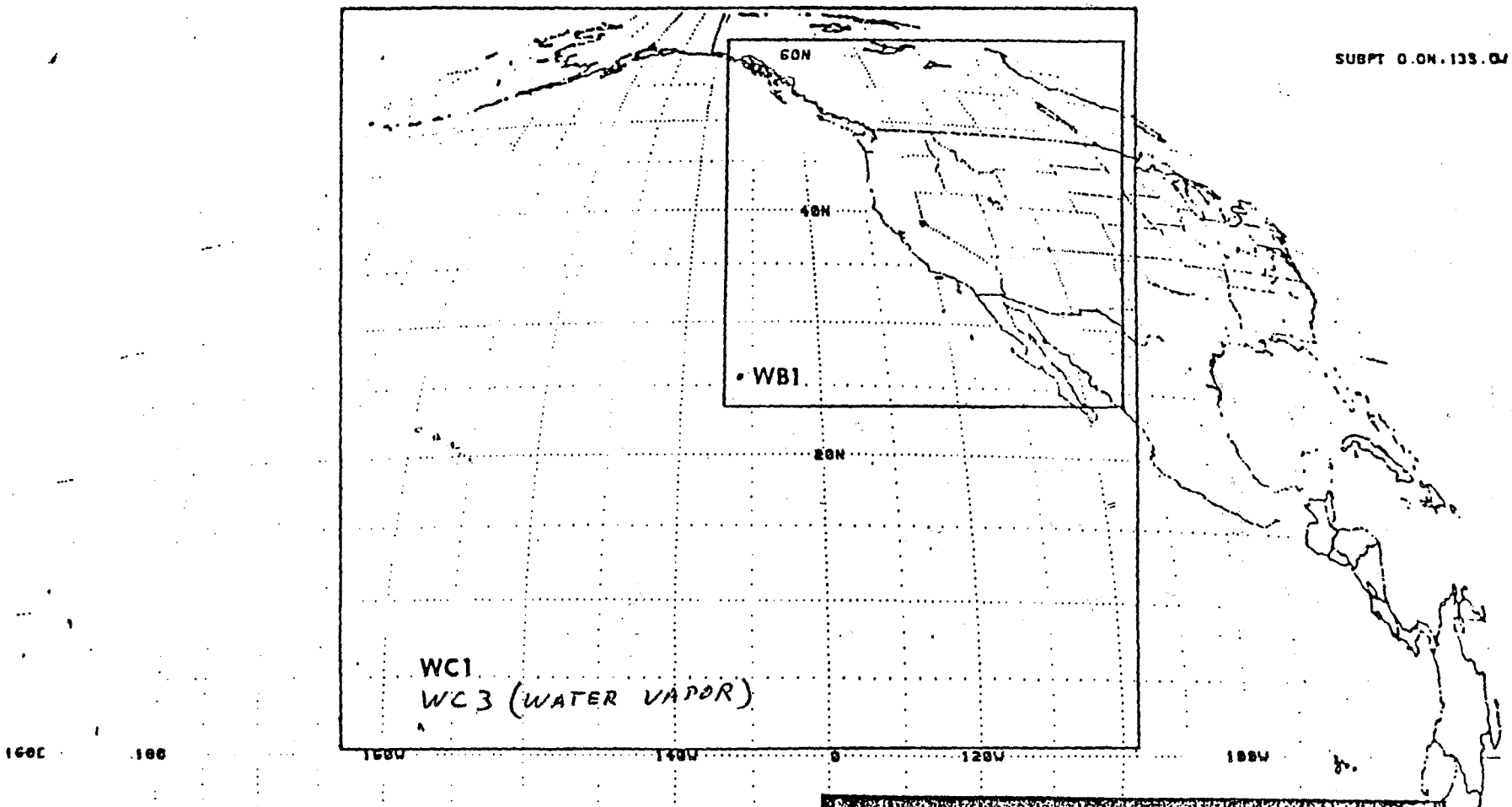
Sector	Centerpoint	Length
EB1	37N 79W	15 mins
EB2	35N 96W	15 mins



GOES-6 'A' SECTORS

ONE-HALF MILE RESOLUTION

Sector	Centerpoint	Length
WA1	38N 109W	21 mins
WA2	40N 121W	15 mins



GOES-6 'C' SECTORS

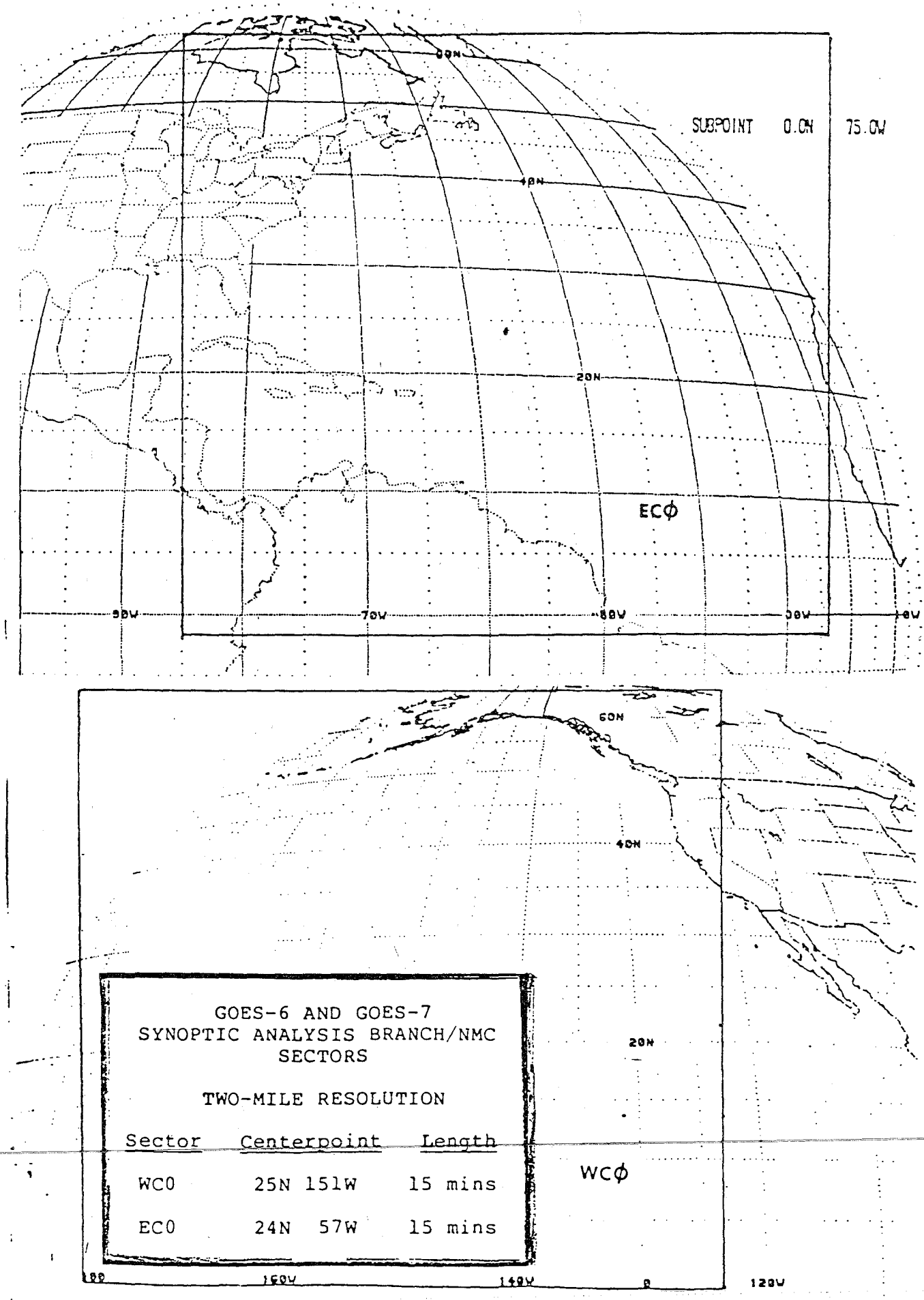
TWO MILE RESOLUTION

Sector	Centerpoint	Length
WC1	26N 136W	15 mins
WC3	26N 136W	15 MINS

GOES-6 'B' SECTORS

ONE MILE RESOLUTION

Sector	Centerpoint	Length
WB1	39N 120W	15 mins



GOES-6 AND GOES-7
SYNOPTIC ANALYSIS BRANCH/NMC
SECTORS

TWO-MILE RESOLUTION

Sector	Centerpoint	Length
WC0	25N 151W	15 mins
EC0	24N 57W	15 mins

GOES-TAP DIAL CODES

	WBC	MKC	SFO	MIA	HNL	ANC	
00	--	--	--	DISCONNECT ALL	--	--	00
01	(ED1)/EB1(EC3)	EB2/WB1	EB2/WB1	MF2/(EC3)(ED1)	HF1/(WD1)(WC3)	(GMS)/(COMP)/(DWIPS)	01
02	ED1 (FULL)	EB2	EB2	MF2	(WD1)(WC3)	AF1/(WCO)(WD1)	02
03	DF1	WB1	WB1	(ED1)/(EC3)	HF1/WC3	GIL AVHRR-VIS	03
04	DF2	* EA3/ED1	KF2/SF2	* (ED1/EA2	HF2	GIL AVHRR-IR	04
05	EA1 (ED1) (EC3)	* EA3	KF2	MF1/MF3			05
06	* EA2	ED1	SF2	(MET)(COMP)/MF2			06
07	* EA3	EC1/WC1	WD1/SF1	ED1			07
08	EB1	WD1/WA1	EC1/WC1	* EA2			08
09	EB2/(EC3)(ED1)	EC1	WD1	MF1			09
10	EC1	WC1	SF1	MF3			10
11	WC1	WD1	EC1				11
12	WB1	WA1	WC1				12
13	NF1	* EA2/ED1	* WD1/WA1	WAL AVHRR			13
14	MF1	* EA2	WD1				14
15	EC3	ED1	* WA1				15
16	ECO	KF2/SF2	WA2/WC3				16
17	WD1	KF2	WC3				17
18	WAL AVHRR-VIS	SF2	WA2				18
19	WAL AVHRR-IR	KF1/ED1	DWIPS				19
20	GIL AVHRR-VIS	(GMS) (MET)	(MET)(GMS)(COMP)				20
21	GIL AVHRR-IR	KF1	GIL AVHRR-IR				21
22	COMPOSITES	ED1	SIDS				22
23	GMS	ED1/EC3/EA4	SFO AVHRR-VIS				23
24	METEOSAT	EB1	SFO AVHRR-IR				24

NOTES:
1. y/z denotes time shared transmissions: both products are transmitted in 30 minutes.
2. (y) (z) denotes that during periods when product y is scheduled product z is inhibited, and vice versa.
3. Standard east sector transmission start times are H+14 and H+44. West sector times are H+29 and H+59.
4. ED1 (full disk) transmission start times are H+03 and H+33. WD1 (full disk) start times are H+18 and H+48.
5. * denotes a 21 minute "A" sector transmission which begins at H+8 and H+28 (east), and H+23 and H+53 west.