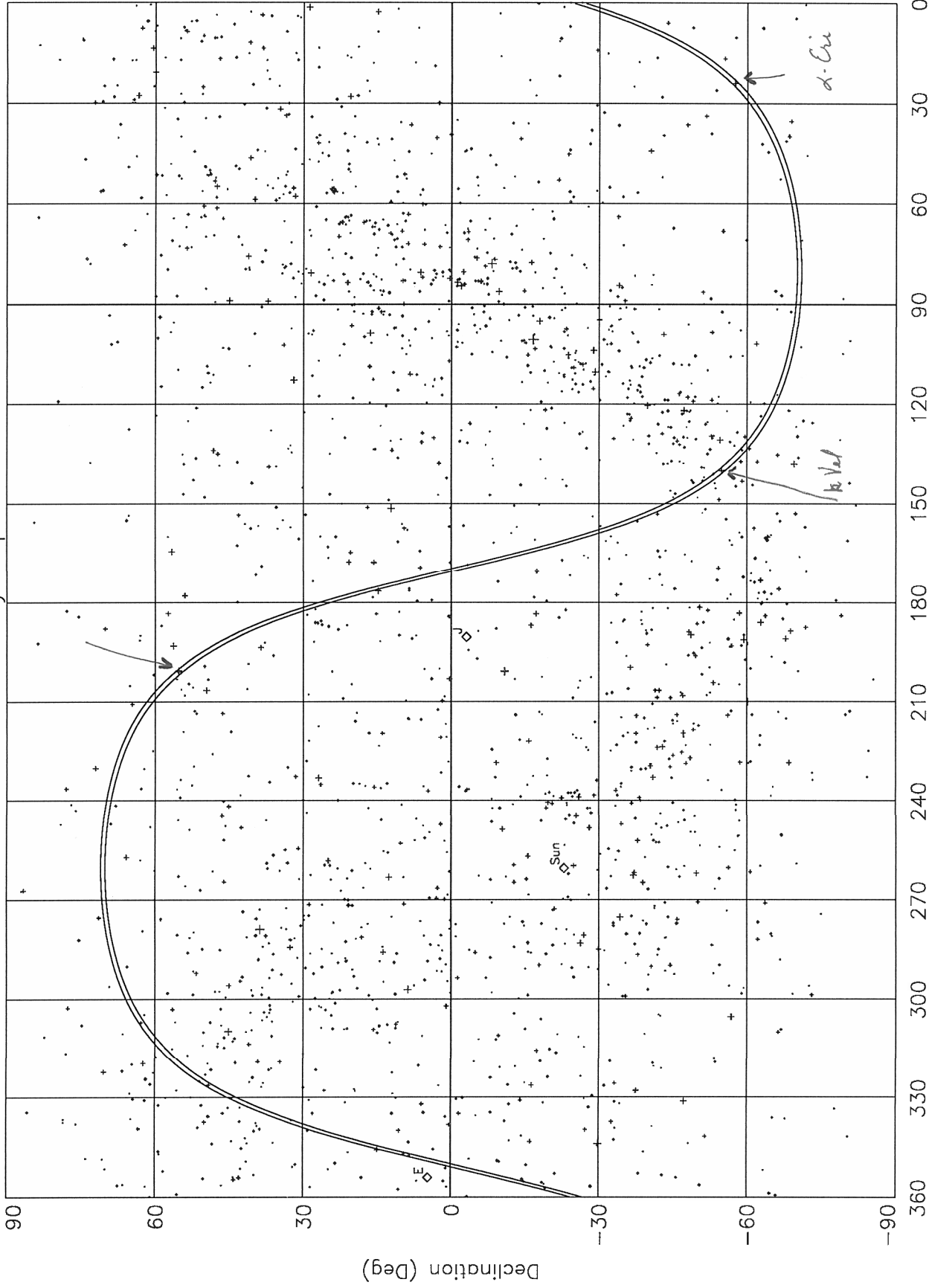


Activity ID	Orbit E2	Target H	Inst U	OAPEL UVXCAL	SeqNo 01	Multi -
Title	UVS/EUV CROSS CALIBRATION					
Requestor	S. EDBERG	3-0523	Team	UVS		
Bottom Label	Plot Key			UVS		
Time System	CDS	Encounter Load ID	EE11			
Start	ECA+CDS 00005554:00:0	92-347/12:45:07	ECA+003/21:35:42			
End	ECA+CDS 00008150:00:0	92-349/08:29:58	ECA+005/17:20:33			
Duration	00002596:00:0	001/19:44:51	001/19:44:51			
DMS Activity	NONE	Minimum Data Rate	7.68	Data Format	LRS	
S/P Reserved	Y	Earth Reference	N	Spin Status	A	Coop Imaging N
Instruments Used:	DDS N	EPD N	<u>EUV</u> Y	HIC N	MAG N	NIMS N
	PLS N	PPR N	PWS N	RS N	SSI N	<u>UVS</u> Y
Observation Objective						
Cross calibration between UVS and EUV instruments at spectral wavelengths surrounding Ly-Alpha.						
Design Detail						
CDS COST	212	Observation to be designed in POINTER N				
Continuous measurement at cone = 90 deg. for a minimum of 24 hours.						
Spacecraft configured in allspin with a BER < 5e-5.						
Byte Count:						
ALSPINSP	2 * (22 + 10)	= 64				
CMDRS	2 * (14 + 10)	= 48				
PCREST	2 * (40 + 10)	= 100				
Total	212					
Version	2	Change Date	03/12/92			
Submission Date	02/26/92	Changed By	K. NAVIAUX 30523			

EUV Sky Map



UTC: 1992-347 // 11:37:19.000 SCLK: 1/01656453:89:7:7

XCAL

Activity ID	Orbit E2	Target H	Inst E	OAPEL	EUSTR	SeqNo 01	Multi -
Title	EUV STAR CALIBRATION						
Requestor	W.K. Tobiska	3-0523	Team	EUV			
Bottom Label			Plot Key	EUV			
Time System	CDS		Encounter Load ID	EE11			
Start	ECA+CDS 00005554:00:0	92-347/12:45:07	ECA+003/21:35:42				
End	ECA+CDS 00008150:00:0	92-349/08:29:58	ECA+005/17:20:33				
Duration	00002596:00:0	001/19:44:51	001/19:44:51				
DMS Activity	NONE	Minimum Data Rate	7.68	Data Format	LRS		
S/P Reserved	N	Earth Reference	N	Spin Status	A	Coop Imaging	N
Instruments Used:	DDS N	EPD N	<u>EUV</u> Y	HIC N	MAG N	NIMS N	
	PLS N	PPR N	<u>PWS</u> N	RS N	SSI N	<u>UVS</u> Y	
Observation Objective							
Turn spacecraft -Z axis pointing to specified RA and Dec. EUV sweeps out great circle ribbon on the sky and observes target star(s).							
Candidate calibration stars include:							
	alpha Eri	RA = 24.0	Dec = -57.5				
	eta Uma	RA = 206.4	Dec = 49.6				
	kappa Vel	RA = 140.1	Dec = -54.8				
Design Detail							
CDS COST	1021	Observation to be designed in POINTER N					
Calibration duration for a minimum of 24 hours with spacecraft configured in all spin. Requires a BER < 5e-5. The instrument is configured to encounter mode.							
Byte count:							
EUVCMD	11 + 10	=	21				
SITURN	estimated 1000	=	1000				
Total				1021			
Version	2	Change Date	03/12/92				
Submission Date	02/26/92	Changed By	K. NAVIAUX 30523				

\$: 1
 Scans
 Per
 sector : 7
 # : 125

Activity ID	Orbit E2	Target H	Inst E	OAPEL	EUVON	SeqNo 01	Multi -
Title	EUV ON & LOAD FIXED PATTERN NOISE TABLE						
Requestor	K. NAVIAUX 3-0523		Team	EUV			
Bottom Label				Plot Key	EUV		

Time System	CDS	Encounter Load ID	EE11
Start	ECA+CDS 00000356:00:0	92-343/21:09:22	ECA+000/05:59:57
End	ECA+CDS 00000387:00:0	92-343/21:40:43	ECA+000/06:31:18
Duration	00000031:00:0	000/00:31:21	000/00:31:21

DMS Activity	NONE	Minimum Data Rate	7.68	Data Format	LRS							
S/P Reserved	N	Earth Reference	N	Spin Status	D	Coop Imaging	N					
Instruments Used:	DDS N	EPD N	EUV Y	HIC N	MAG N	NIMS N	PLS N	PPR N	PWS N	RS N	SSI N	UVS N

Observation Objective

Power on, load instrument memory, and configure for LRS data acquisition using the EUVON library sequence and a UTILITY PA. Memory verify required using CMDMRO PA.

Design Detail

CDS COST 2004 Observation to be designed in POINTER N

Byte count:

EUVCMD	11 + 10 =	21
UTILITY + 24 DML	... =	200
EUVON	... =	1731
CMDMRO	... =	52
Total	=	2004

Version	3	Change Date	03/16/92
Submission Date	02/26/92	Changed By	K. NAVIAUX

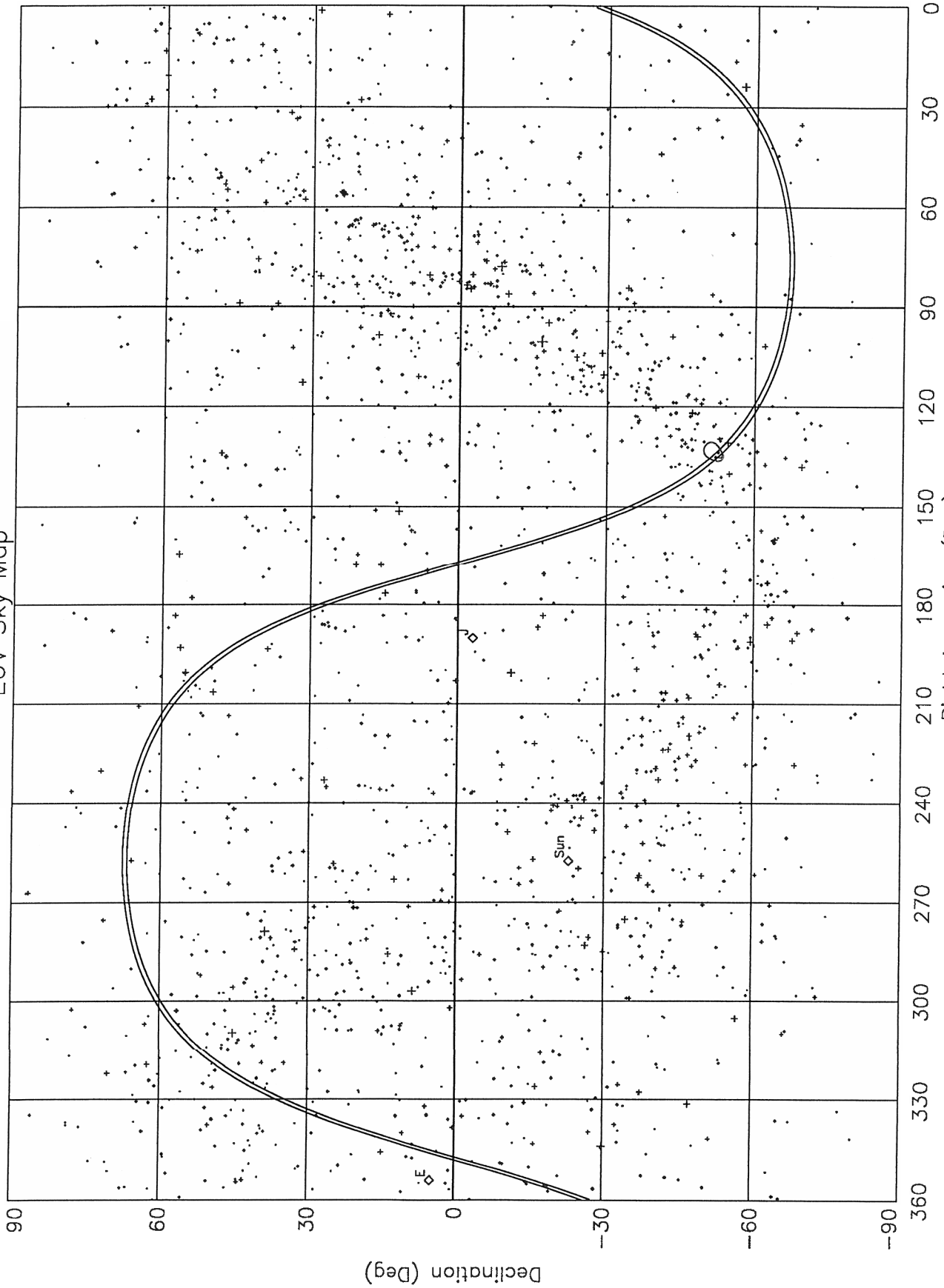
Clock Angle: 1
sectors: 125
Scans per sector: 7

Activity ID	Orbit E2	Target H	Inst E	OAPEL EUVAST	SeqNo 01	Multi -
Title	TOUTATIS OBSERVATION					
Requestor	S. EDBERG	3-0523	Team	EUV		
Bottom Label				Plot Key	EUV	
Time System	CDS		Encounter Load ID	EE11		
Start	ECA+CDS	00003610:00:0	92-346/03:59:31	ECA+002/12:50:06		
End	ECA+CDS	00003847:00:0	92-346/07:59:09	ECA+002/16:49:44		
Duration		00000237:00:0	000/03:59:38	000/03:59:38		
DMS Activity	NONE	Minimum Data Rate	7.68	Data Format	LRS	
S/P Reserved	N	Earth Reference	N	Spin Status	D	Coop Imaging N
Instruments Used:	DDS N	EPD N	EUV Y	HIC N	MAG N	NIMS N
	PLS N	PPR N	PWS N	RS N	SSI N	UVS N
Observation Objective						
EUV is default configured for measurement of minor planet (4179)						
Toutatis as its trajectory takes it through EUV's field of view. Time of passage through FOV is dependant on attitude strategy and Siturns.						
Design Detail						
CDS COST	0		Observation to be designed in POINTER N			
No commands are necessary. Toutatis will drift through EUV FOV during normal operations (dependant on attitude strategy).						
Version	1		Change Date	/ /		
Submission Date	03/16/92		Changed By			

*Clock Angle = 1
 14 sectors = 35
 scans per sector = 25*

236891

EUV Sky Map



UTC: 1992-345 // 08:00:00.000 SCLK: 1/01653390:64:1:1

Activity ID	Orbit E2	Target H	Inst E	OAPEL	EUVCRU	SeqNo 01	Multi -
Title	EUV CRUISE CONFIGURATION						
Requestor	K. NAVIAUX	3-0523	Team	EUV			
Bottom Label				Plot Key	EUV		
Time System	CDS	Encounter Load ID		EE11			
Start	ECA+CDS 00011146:00:0	92-351/10:59:15	ECA+007/19:49:50				
End	ECA+CDS 00011177:00:0	92-351/11:30:36	ECA+007/20:21:11				
Duration	00000031:00:0	000/00:31:21	000/00:31:21				
DMS Activity	NONE	Minimum Data Rate	7.68	Data Format	LRS		
S/P Reserved	N	Earth Reference	N	Spin Status	D	Coop Imaging	N
Instruments Used:	DDS N	EPD N	EUV Y	HIC N	MAG N	NIMS N	N
	PLS N	PPR N	PWS N	RS N	SSI N	UVS N	N
Observation Objective							
Configure EUV from Encounter mode to Cruise mode to prepare for Earth torus observations. Counts of EUV photons will be accumulated in the instrument buffer from sectors around the sky. Instrument buffer will be returned in later sequences via CMDMRO PAs.							
Design Detail							
CDS COST	262	Observation to be designed in POINTER N					
Byte Count:							
Instrument will be commanded to standard cruise configuration via the EUVCRU library sequence. CMDMRO is performed as a memory verify.							
EUVCRU	... = 210						
CMDMRO	... = 52 (for memory verification)						
Total	262						
Version	2		Change Date	03/12/92			
Submission Date	02/26/92		Changed By	K. NAVIAUX 30523			

Angle: 1
of sectors: 35
Scans per: 25

Activity ID	Orbit E2	Target H	Inst E	DAPEL EUVMRO	SeqNo 01	Multi -
Title	EUV 1 AU MEMORY READOUT					
Requestor	K. NAVIAUX 3-0523		Team	EUV		
Bottom Label	MRO		Plot Key	EUV		
Time System	CDS		Encounter Load ID	EE11		
Start	ECA+CDS 00014529:00:0	92-353/19:59:51	ECA+010/04:50:26			
End	ECA+CDS 00014531:00:0	92-353/20:01:52	ECA+010/04:52:27			
Duration	00000002:00:0	000/00:02:01	000/00:02:01			
DMS Activity	NONE	Minimum Data Rate	1200b	Data Format	EHR	
S/P Reserved	N	Earth Reference	N	Spin Status	D	Coop Imaging N
Instruments Used:	DDS N	EPD N	EUV Y	HIC N	MAG N	NIMS N
	PLS N	PPR N	PWS N	RS N	SSI N	UVS N
Observation Objective						
One of a series of EUV memory readouts to characterize the 1 AU Earth hydrogen torus.						
Design Detail						
CDS COST	36	Observation to be designed in POINTER N				
CMDMRO 36 bytes, 1200 bps.						
Version	2	Change Date	03/16/92			
Submission Date	03/12/92	Changed By	K. NAVIAUX 30523			

UVS/Euv Addon
List if bytes
become
available

Angle: 1
sectors: 35
Scans: 25

Activity ID	Orbit E2	Target H	Inst E	OAPEL EUVMRO	SeqNo 02	Multi -
Title	EUV 1 AU MEMORY READOUT					
Requestor	K. NAVIAUX	3-0523	Team	EUV		
Bottom Label	MRO		Plot Key	EUV		
Time System	CDS		Encounter Load ID	EE11		
Start	ECA+CDS 00015953:00:0	92-354/19:59:40	ECA+011/04:50:15			
End	ECA+CDS 00015955:00:0	92-354/20:01:41	ECA+011/04:52:16			
Duration	00000002:00:0	000/00:02:01	000/00:02:01			
DMS Activity	NONE	Minimum Data Rate	1200b	Data Format	EHR	
S/P Reserved	N	Earth Reference	N	Spin Status	D	Coop Imaging N
Instruments Used:	DDS N	EPD N	EUV Y	HIC N	MAG N	NIMS N
	PLS N	PPR N	PWS N	RS N	SSI N	UVS N
Observation Objective						
One of a series of EUV memory readouts to characterize the 1 AU Earth hydrogen torus.						
Design Detail						
CDS COST	36	Observation to be designed in POINTER N				
CMDMRO 36 bytes, 1200 bps.						
Version	2	Change Date	03/12/92			
Submission Date	03/12/92	Changed By	K. NAVIAUX 30523			

Σ: 1
: 35
Score Per Sector : 25