



15611 - Eta Carinae: X-ray Emission Line Diagnostics On the Approach to Periastron Passage

Cycle: 26, Proposal Category: GO

(Availability Mode: AVAILABLE)

INVESTIGATORS

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VISITS

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
01	(1) ETA-CAR	STIS/CCD STIS/FUV-MAMA	1	24-May-2019 11:00:46.0	yes

<i>Visit</i>	<i>Targets used in Visit</i>	<i>Configurations used in Visit</i>	<i>Orbits Used</i>	<i>Last Orbit Planner Run</i>	<i>OP Current with Visit?</i>
02	(1) ETA-CAR	STIS/CCD STIS/FUV-MAMA	1	24-May-2019 11:00:47.0	yes
03	(1) ETA-CAR	STIS/CCD STIS/FUV-MAMA	1	24-May-2019 11:00:48.0	yes
04	(1) ETA-CAR	STIS/CCD STIS/FUV-MAMA	1	24-May-2019 11:00:49.0	yes
05	(1) ETA-CAR	STIS/CCD STIS/FUV-MAMA	1	24-May-2019 11:00:50.0	yes
06	(1) ETA-CAR WAVE	STIS/CCD STIS/FUV-MAMA	1	24-May-2019 11:00:51.0	yes
07	(1) ETA-CAR WAVE	STIS/CCD STIS/FUV-MAMA	1	24-May-2019 11:00:52.0	yes
08	(1) ETA-CAR WAVE	STIS/CCD STIS/FUV-MAMA	1	24-May-2019 11:00:53.0	yes

8 Total Orbits Used

ABSTRACT

The AO20 interval is a key orbital interval for the study of X-ray emission from Eta Carinae. We propose four HETGS observations of Eta Carina during AO20 to: 1) compare the thermodynamic properties of the X-ray emitting gas in the colliding wind shock 2) compare the spectrum properties with earlier observations to study cycle-to-cycle changes and 3) correlate the current X-ray flow dynamics with the distribution of the circumstellar nebula using HST/STIS spectral mapping. These observations will be part of an overall campaign during the approach to the next periastron passage, including spatially-resolved mapping of the inner wind-wind interaction with the VLT/MATISSE instrument at scales of 6 mas.

The four HST/STIS orbits have been re-allocated to monitor the FUV spectral changes as the X-ray flux increases.

OBSERVING DESCRIPTION

The four CVZ orbits will produce data for maps in [Fe II], [Fe III], He I (4706Å), [N II], He I (5734 Å), [Ar III], [Fe II], [Ni II] (7283Å) and [Ne III], Hydrogen (3936Å).

Proposal 15611 - CHANDRA VISIT 1 (01) - Eta Carinae: X-ray Emission Line Diagnostics On the Approach to Periastron Passage

Fri May 24 15:00:54 GMT 2019

Visit	Proposal 15611, CHANDRA VISIT 1 (01), implementation									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA									
	Special Requirements: BETWEEN 12-MAY-2019 AND 21-MAY-2019; ON HOLD									
On Hold Comments: Backup visit.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	ETA-CAR	RA: 10 45 3.5910 (161.2649625d) Dec: -59 41 4.26 (-59.68452d) Equinox: J2000 Plate Id: ZZZQ	Epoch of Position: 2000	V=4.8+/-0.3 1.5e-11 ergs/sec/cm2/A @1900 A 2e-11 ergs/sec/cm2/A @1400A	Reference Frame: GSC1				
	Comments: Reference frame is from special catalog ZZZQ which has been used for all HST/STIS acquisitions Specially prepared before 1990 as GSC insufficient for crowded field (See GO 13377, 8327, etc) Category=STAR Description=[ETA CARINAE STAR, WOLF RAYET - WN] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Acquisition exposure	(1) ETA-CAR	STIS/CCD, ACQ, F25ND3	MIRROR				0.3 Secs (0.3 Secs)	
									[==>]	[1]
	Comments: Peak=9290 e-, Total=15480 e-, S/N=123									
	2	ACQ/Peak	(1) ETA-CAR	STIS/CCD, ACQ/PEAK, 52X0.1	G750M 7795 A				0.4 Secs (0.4 Secs)	
									[==>]	[1]
	3	(STIS.sp.13 30694)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.3X0.2	E140M 1425 A				1000 Secs (1000 Secs)	
									[==>]	[1]
Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.										
4	(STIS.sp.13 30694)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.3X0.2	E140M 1425 A				949 Secs (949 Secs)		
								[==>]	[1]	
Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.										
Orbit Structure	Orbit 1 Server Version: 20181130 Pointing Maneuver Pointing Maneuver Exp. 3 (Auto-WAVECAL) Unused Orbital Visibility = 0 Occultation Home GS Acq Exp. 1 Exp. 2 Exp. 3 Exp. 4 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec									

Proposal 15611 - CHANDRA Visit 2 (02) - Eta Carinae: X-ray Emission Line Diagnostics On the Approach to Periastron Passage

Visit	Proposal 15611, CHANDRA Visit 2 (02), implementation										Fri May 24 15:00:54 GMT 2019	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA											
	Special Requirements: BETWEEN 30-JUN-2019 AND 09-JUL-2019; ON HOLD											
On Hold Comments: Backup visit.												
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	ETA-CAR	RA: 10 45 3.5910 (161.2649625d) Dec: -59 41 4.26 (-59.68452d) Equinox: J2000 Plate Id: ZZZQ		Epoch of Position: 2000		V=4.8+/-0.3 1.5e-11 ergs/sec/cm2/A @1900 A 2e-11 ergs/sec/cm2/A @1400A		Reference Frame: GSC1			
	Comments: Reference frame is from special catalog ZZZQ which has been used for all HST/STIS acquisitions Specially prepared before 1990 as GSC insufficient for crowded field (See GO 13377, 8327, etc)											
	Category=STAR Description=[ETA CARINAE STAR, WOLF RAYET - WN] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	Acquisition exposure	(1) ETA-CAR	STIS/CCD, ACQ, F25ND3		MIRROR				0.3 Secs (0.3 Secs)		
											[==>]	[1]
	Comments: Peak=9290 e-, Total=15480 e-, S/N=123											
	2	ACQ/Peak	(1) ETA-CAR	STIS/CCD, ACQ/PEAK, 52X0.1		G750M				0.4 Secs (0.4 Secs)		
											[==>]	[1]
	3	(STIS.sp.13 30694)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.3X0.2		E140M				1000 Secs (1000 Secs)		
											[==>]	[1]
Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.												
4	(STIS.sp.13 30694)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.3X0.2		E140M				949 Secs (949 Secs)			
										[==>]	[1]	
Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.												
Orbit Structure	Orbit 1 Server Version: 20181130											

Proposal 15611 - CHANDRA visit 3 (03) - Eta Carinae: X-ray Emission Line Diagnostics On the Approach to Periastron Passage

Fri May 24 15:00:54 GMT 2019

Visit	Proposal 15611, CHANDRA visit 3 (03), implementation									
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA									
	Special Requirements: BETWEEN 25-AUG-2019 AND 03-SEP-2019; ON HOLD									
On Hold Comments: Backup visit.										
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	ETA-CAR	RA: 10 45 3.5910 (161.2649625d) Dec: -59 41 4.26 (-59.68452d) Equinox: J2000 Plate Id: ZZZQ	Epoch of Position: 2000	V=4.8+/-0.3 1.5e-11 ergs/sec/cm2/A @1900 A 2e-11 ergs/sec/cm2/A @1400A	Reference Frame: GSC1				
	Comments: Reference frame is from special catalog ZZZQ which has been used for all HST/STIS acquisitions Specially prepared before 1990 as GSC insufficient for crowded field (See GO 13377, 8327, etc) Category=STAR Description=[ETA CARINAE STAR, WOLF RAYET - WN] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Acquisition exposure	(1) ETA-CAR	STIS/CCD, ACQ, F25ND3	MIRROR				0.3 Secs (0.3 Secs)	
									[==>]	[1]
	Comments: Peak=9290 e-, Total=15480 e-, S/N=123									
	2	ACQ/Peak	(1) ETA-CAR	STIS/CCD, ACQ/PEAK, 52X0.1	G750M 7795 A				0.4 Secs (0.4 Secs)	
									[==>]	[1]
	3	(STIS.sp.13 30694)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.3X0.2	E140M 1425 A				1000 Secs (1000 Secs)	
									[==>]	[1]
Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.										
4	(STIS.sp.13 30694)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.3X0.2	E140M 1425 A				949 Secs (949 Secs)		
								[==>]	[1]	
Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.										
Orbit Structure	Orbit 1 Server Version: 20181130 Pointing Maneuver Exp. 3 (Auto-WAVECAL) Pointing Maneuver Occultation Unused Orbital Visibility = 0 Home GS Acq Exp. 1 Exp. 2 Exp. 3 Exp. 4 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec									

Proposal 15611 - CHANDRA visit 4 (04) - Eta Carinae: X-ray Emission Line Diagnostics On the Approach to Periastron Passage

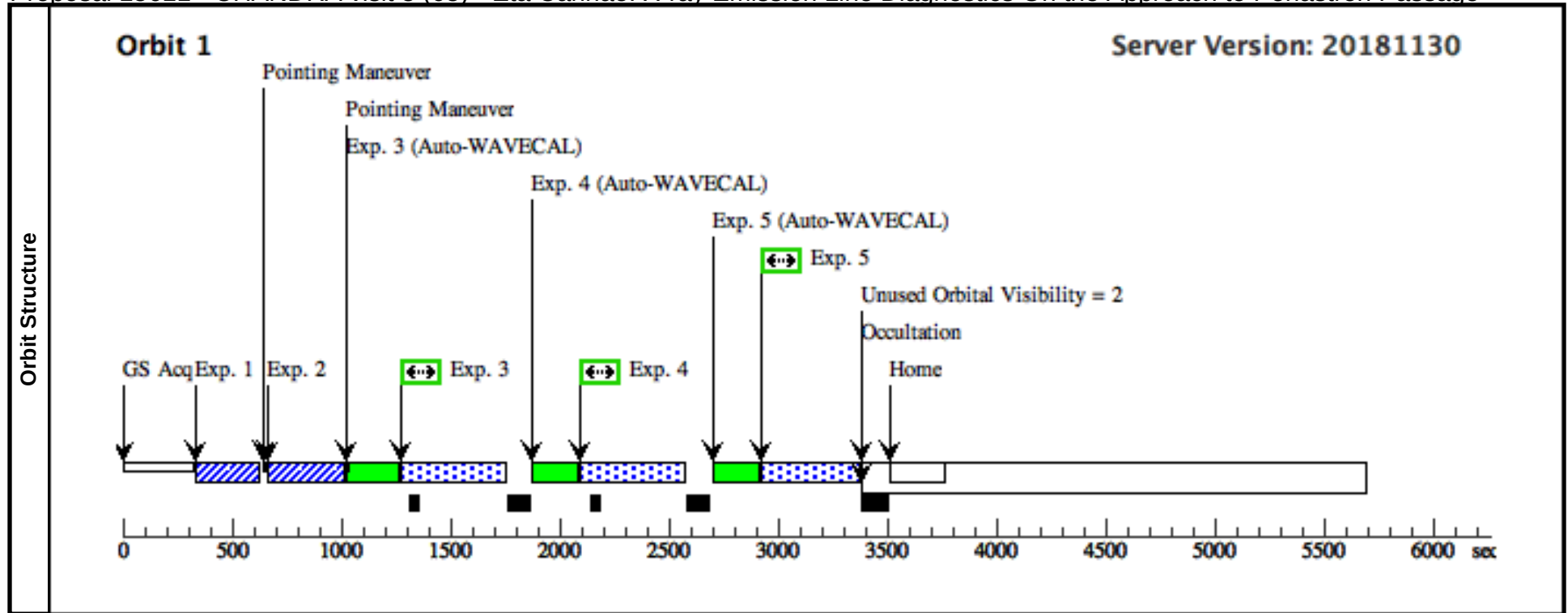
Fri May 24 15:00:54 GMT 2019

Visit	Proposal 15611, CHANDRA visit 4 (04), implementation										Fri May 24 15:00:54 GMT 2019
	Diagnostic Status: No Diagnostics										
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA										
	Special Requirements: BETWEEN 06-OCT-2019 AND 18-OCT-2019; ON HOLD										
On Hold Comments: Backup visit.											
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous					
	(1)	ETA-CAR	RA: 10 45 3.5910 (161.2649625d) Dec: -59 41 4.26 (-59.68452d) Equinox: J2000 Plate Id: ZZZQ	Epoch of Position: 2000	V=4.8+/-0.3 1.5e-11 ergs/sec/cm2/A @1900 A 2e-11 ergs/sec/cm2/A @1400A	Reference Frame: GSC1					
	Comments: Reference frame is from special catalog ZZZQ which has been used for all HST/STIS acquisitions Specially prepared before 1990 as GSC insufficient for crowded field (See GO 13377, 8327, etc) Category=STAR Description=[ETA CARINAE STAR, WOLF RAYET - WN] Extended=NO										
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit	
	1	Acquisition exposure	(1) ETA-CAR	STIS/CCD, ACQ, F25ND3	MIRROR				0.3 Secs (0.3 Secs)		
									[==>]	[1]	
	Comments: Peak=9290 e-, Total=15480 e-, S/N=123										
	2	ACQ/Peak	(1) ETA-CAR	STIS/CCD, ACQ/PEAK, 52X0.1	G750M				0.4 Secs (0.4 Secs)		
									[==>]	[1]	
3	(STIS.sp.13 30694)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.3X0.2	E140M				1000 Secs (1000 Secs)			
								[==>]	[1]		
Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.											
4	(STIS.sp.13 30694)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.3X0.2	E140M				949 Secs (949 Secs)			
								[==>]	[1]		
Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.											
Orbit Structure	Orbit 1 Server Version: 20181130 Pointing Maneuver Pointing Maneuver Exp. 3 (Auto-WAVECAL) Exp. 3 Exp. 4 Occultation Unused Orbital Visibility = 0 Home GS Acq Exp. 1 Exp. 2 0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 6000 sec										

Server Version: 20181130

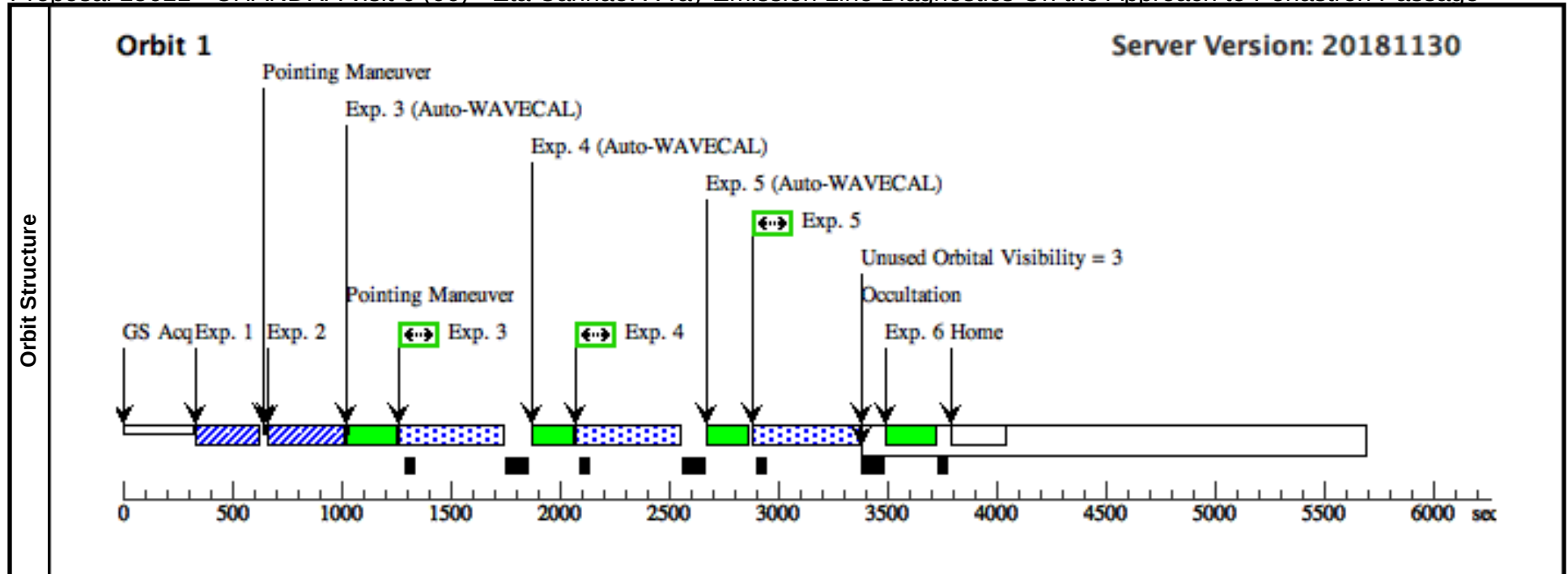
Proposal 15611 - CHANDRA visit 5 (05) - Eta Carinae: X-ray Emission Line Diagnostics On the Approach to Periastron Passage

Visit	Proposal 15611, CHANDRA visit 5 (05), completed										Fri May 24 15:00:54 GMT 2019	
	Diagnostic Status: No Diagnostics											
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA											
	Special Requirements: BETWEEN 12-MAY-2019 AND 21-MAY-2019											
Fixed Targets	#	Name	Target Coordinates		Targ. Coord. Corrections		Fluxes		Miscellaneous			
	(1)	ETA-CAR	RA: 10 45 3.5910 (161.2649625d) Dec: -59 41 4.26 (-59.68452d) Equinox: J2000 Plate Id: ZZZQ		Epoch of Position: 2000		V=4.8+/-3 1.5e-11 ergs/sec/cm2/A @1900 A 2e-11 ergs/sec/cm2/A @1400A		Reference Frame: GSC1			
	Comments: Reference frame is from special catalog ZZZQ which has been used for all HST/STIS acquisitions Specially prepared before 1990 as GSC insufficient for crowded field (See GO 13377, 8327, etc) Category=STAR Description=[ETA CARINAE STAR, WOLF RAYET - WN] Extended=NO											
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture		Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]		Orbit
	1	Acquisition exposure	(1) ETA-CAR	STIS/CCD, ACQ, F25ND3		MIRROR				0.3 Secs (0.3 Secs)		
											[==>]	[1]
	Comments: Peak=9290 e-, Total=15480 e-, S/N=123											
	2	ACQ/Peak	(1) ETA-CAR	STIS/CCD, ACQ/PEAK, 52X0.1		G750M				0.4 Secs (0.4 Secs)		
											[==>]	[1]
	3	(STIS.sp.13 41236)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.3X0.2		E140H				440 Secs (440 Secs)		
											[==>]	[1]
	Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.											
	4	(STIS.sp.13 41236)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.3X0.2		E140H				440 Secs (440 Secs)		
											[==>]	[1]
	Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.											
	5	(STIS.sp.13 41238)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.3X0.2		E140H				415 Secs (415 Secs)		
										[==>]	[1]	



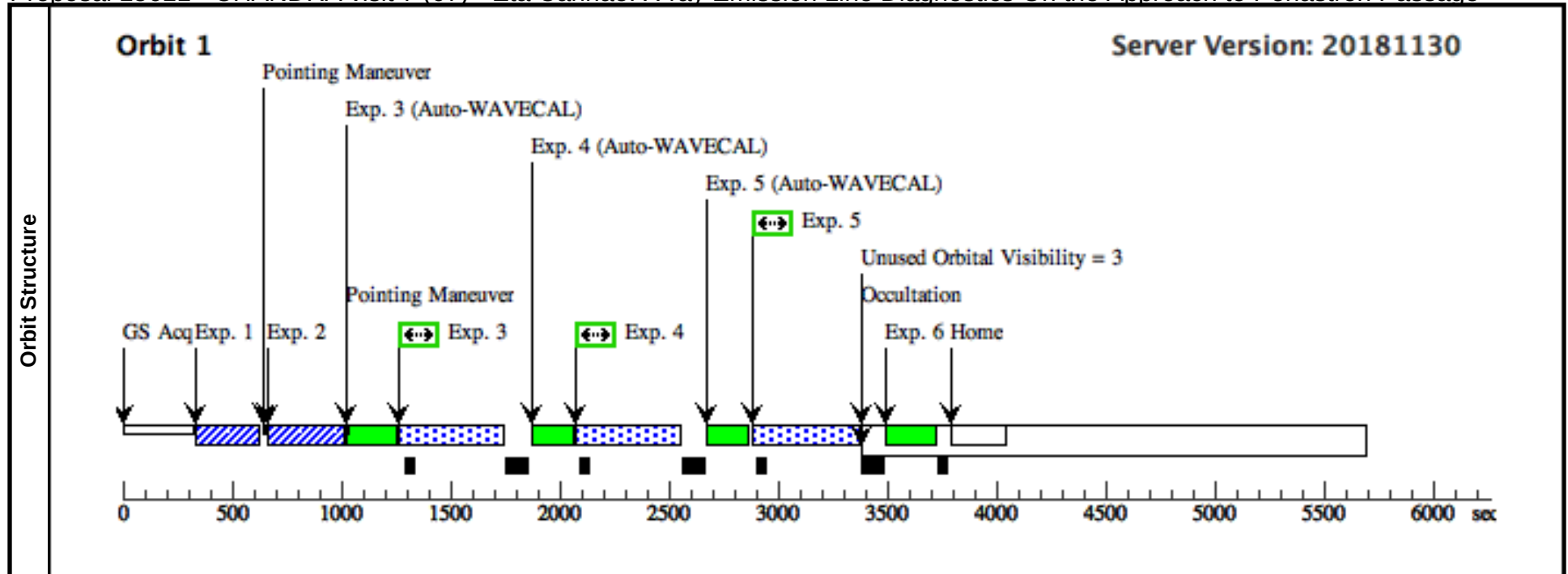
Proposal 15611 - CHANDRA visit 6 (06) - Eta Carinae: X-ray Emission Line Diagnostics On the Approach to Periastron Passage

Visit	Proposal 15611, CHANDRA visit 6 (06), implementation								Fri May 24 15:00:54 GMT 2019	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA									
	Special Requirements: BETWEEN 30-JUN-2019 AND 08-JUL-2019									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	ETA-CAR	RA: 10 45 3.5910 (161.2649625d) Dec: -59 41 4.26 (-59.68452d) Equinox: J2000 Plate Id: ZZZQ	Epoch of Position: 2000	V=4.8+/-3 1.5e-11 ergs/sec/cm2/A @1900 A 2e-11 ergs/sec/cm2/A @1400A	Reference Frame: GSC1				
	Comments: Reference frame is from special catalog ZZZQ which has been used for all HST/STIS acquisitions Specially prepared before 1990 as GSC insufficient for crowded field (See GO 13377, 8327, etc) Category=STAR Description=[ETA CARINAE STAR, WOLF RAYET - WN] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Acquisition exposure	(1) ETA-CAR	STIS/CCD, ACQ, F25ND3	MIRROR				0.3 Secs (0.3 Secs)	
									[==>]	[1]
	Comments: Peak=9290 e-, Total=15480 e-, S/N=123									
	2	ACQ/Peak	(1) ETA-CAR	STIS/CCD, ACQ/PEAK, 52X0.1	G750M				0.4 Secs (0.4 Secs)	
									[==>]	[1]
	3	(STIS.sp.13 41238)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H				460 Secs (460 Secs)	
									[==>]	[1]
	4	(STIS.sp.13 41236)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H				460 Secs (460 Secs)	
									[==>]	[1]
	Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.									
	5	(STIS.sp.13 41236)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H				475 Secs (475 Secs)	
									[==>]	[1]
	Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.									
6		WAVE	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H				180 Secs (180 Secs)		
								[==>]	[1]	



Proposal 15611 - CHANDRA visit 7 (07) - Eta Carinae: X-ray Emission Line Diagnostics On the Approach to Periastron Passage

Visit	Proposal 15611, CHANDRA visit 7 (07), implementation								Fri May 24 15:00:54 GMT 2019	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA									
	Special Requirements: BETWEEN 25-AUG-2019 AND 02-SEP-2019									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	ETA-CAR	RA: 10 45 3.5910 (161.2649625d) Dec: -59 41 4.26 (-59.68452d) Equinox: J2000 Plate Id: ZZZQ	Epoch of Position: 2000	V=4.8+/-3 1.5e-11 ergs/sec/cm2/A @1900 A 2e-11 ergs/sec/cm2/A @1400A	Reference Frame: GSC1				
	Comments: Reference frame is from special catalog ZZZQ which has been used for all HST/STIS acquisitions Specially prepared before 1990 as GSC insufficient for crowded field (See GO 13377, 8327, etc) Category=STAR Description=[ETA CARINAE STAR, WOLF RAYET - WN] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Acquisition exposure	(1) ETA-CAR	STIS/CCD, ACQ, F25ND3	MIRROR				0.3 Secs (0.3 Secs)	
									[==>]	[1]
	Comments: Peak=9290 e-, Total=15480 e-, S/N=123									
	2	ACQ/Peak	(1) ETA-CAR	STIS/CCD, ACQ/PEAK, 52X0.1	G750M				0.4 Secs (0.4 Secs)	
									[==>]	[1]
	3	(STIS.sp.13 41238)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H				460 Secs (460 Secs)	
									[==>]	[1]
	4	(STIS.sp.13 41236)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H				460 Secs (460 Secs)	
									[==>]	[1]
	Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.									
	5	(STIS.sp.13 41236)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H				475 Secs (475 Secs)	
									[==>]	[1]
	Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.									
6		WAVE	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H				180 Secs (180 Secs)		
								[==>]	[1]	



Proposal 15611 - CHANDRA visit 8 (08) - Eta Carinae: X-ray Emission Line Diagnostics On the Approach to Periastron Passage

Visit	Proposal 15611, CHANDRA visit 8 (08), implementation								Fri May 24 15:00:54 GMT 2019	
	Diagnostic Status: No Diagnostics									
	Scientific Instruments: STIS/CCD, STIS/FUV-MAMA									
	Special Requirements: BETWEEN 06-OCT-2019 AND 18-OCT-2019									
Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
	(1)	ETA-CAR	RA: 10 45 3.5910 (161.2649625d) Dec: -59 41 4.26 (-59.68452d) Equinox: J2000 Plate Id: ZZZQ	Epoch of Position: 2000	V=4.8+/-3 1.5e-11 ergs/sec/cm2/A @1900 A 2e-11 ergs/sec/cm2/A @1400A	Reference Frame: GSC1				
	Comments: Reference frame is from special catalog ZZZQ which has been used for all HST/STIS acquisitions Specially prepared before 1990 as GSC insufficient for crowded field (See GO 13377, 8327, etc) Category=STAR Description=[ETA CARINAE STAR, WOLF RAYET - WN] Extended=NO									
Exposures	#	Label (ETC Run)	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time (Total)/[Actual Dur.]	Orbit
	1	Acquisition exposure	(1) ETA-CAR	STIS/CCD, ACQ, F25ND3	MIRROR				0.3 Secs (0.3 Secs)	
									[==>]	[1]
	Comments: Peak=9290 e-, Total=15480 e-, S/N=123									
	2	ACQ/Peak	(1) ETA-CAR	STIS/CCD, ACQ/PEAK, 52X0.1	G750M				0.4 Secs (0.4 Secs)	
									[==>]	[1]
	3	(STIS.sp.13 41238)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H				460 Secs (460 Secs)	
									[==>]	[1]
	4	(STIS.sp.13 41236)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H				460 Secs (460 Secs)	
									[==>]	[1]
	Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.									
	5	(STIS.sp.13 41236)	(1) ETA-CAR	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H				475 Secs (475 Secs)	
									[==>]	[1]
	Comments: Count rates for same exposure in proposal 15067, visit 2 was 75539 c/s. The predicted magnitude (Damineli) is slightly fainter for May 2019 than in April 2018.									
6		WAVE	STIS/FUV-MAMA, ACCUM, 0.2X0.2	E140H				180 Secs (180 Secs)		
								[==>]	[1]	

