



11145 - Probing the Planet Forming Region of T Tauri Stars in Chamaeleon

Cycle: 16, Proposal Category: GO

(Availability Mode: SUPPORTED)

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) T-25	ACS/SBC	1	17-Jan-2008 22:21:11.0	yes
02	(2) T-54	ACS/SBC	1	17-Jan-2008 22:21:14.0	yes
03	(3) T-8	ACS/SBC	1	17-Jan-2008 22:21:17.0	yes
04	(4) T-26	ACS/SBC	1	17-Jan-2008 22:21:19.0	yes
05	(5) V-BM-CHA	ACS/SBC	1	17-Jan-2008 22:21:21.0	yes
06	(6) V-BF-CHA	ACS/SBC	1	17-Jan-2008 22:21:23.0	yes
07	(7) V-CS-CHA	ACS/SBC	1	17-Jan-2008 22:21:25.0	yes
08	(8) T-6	ACS/SBC	1	17-Jan-2008 22:21:28.0	yes
09	(9) T-31	ACS/SBC	1	17-Jan-2008 22:21:30.0	yes
10	(10) T-29	ACS/SBC	1	17-Jan-2008 22:21:32.0	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>
11	(11) T-35	ACS/SBC	1	17-Jan-2008 22:21:33.0	yes
12	(12) T-56	ACS/SBC	1	17-Jan-2008 22:21:35.0	yes

12 Total Orbits Used

ABSTRACT

By studying the inner, planet-forming regions of circumstellar disks around low-mass pre-main sequence stars we can refine theories of giant planet formation and develop timescales for the evolution of disks and their planets. Spitzer infrared observations of T Tauri stars in the Chamaeleon star-forming region have given us an unprecedented look at dust evolution in young objects. However, despite this ground breaking progress in studying the dust in young disks, the gas properties of the inner disk remain essentially unknown. Using ACS on HST, we propose to measure the H₂ emission originating in the innermost disk regions of classical T Tauri stars in different stages of evolution with the objective of revealing the timescales of gas dissipation and its relationship to dust evolution. This proposal is part of a comprehensive effort with approved programs on Spitzer, Gemini, and Magellan that aim to characterize the state of gas and dust in disks where planets may already have formed.

OBSERVING DESCRIPTION

ACS prism observations are being made of 12 young stellar objects in the Chamaeleon cloud to search for an emission feature at 1600 angstrom. The spectral element is the PR130L being used with the ACS/SBC. A single observation of an orbit in length is scheduled for each target. A pair of short observations is also scheduled, as these are needed for wavelength calibration. The pair of short images is being taken with the F140LP filter on the SBC/ACS.

ADDITIONAL COMMENTS

Revision: CS Cha filter changed from F140 to F165.

Many of our targets were identified by the BOT tool as posing a hazard to the ACS/SBC based on assuming an incorrect spectral type of 05. We

note the correct spectral types for these targets below:

- 1) T-25 M2.5
- 3) T-8 K2
- 4) T-26 G2
- 5) V-BM-CHA K4
- 6) V-BF-CHA K7
- 7) V-CS-CHA K6
- 8) T-6 K0
- 12) T-56 M0

In Visit 12 there is an additional object flagged by BOT (at 11 17 45.6, -77 04 23.78). However, plotting this object on a 2MASS color-color diagram shows that it cannot be higher than an F0 star and it therefore falls within the limits of Table 7.4 in the ACS handbook.

Proposal 11145 - Visit 01 - Probing the Planet Forming Region of T Tauri Stars in Chamaeleon

Fri Jan 18 03:21:38 GMT 2008

Visit	Proposal 11145, Visit 01, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)										
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(1)		T-25	RA: 11 07 19.1500 (166.8297917d) Dec: -76 03 4.85 (-76.05135d) Equinox: J2000		V=15.35	Reference Frame: 2MASS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	T-25	(1) T-25	ACS/SBC, ACCUM, SBC	F140LP				360.0 Secs		
									[=>360.0 Secs]	[1]	
	2	T-25	(1) T-25	ACS/SBC, ACCUM, SBC	PR130L				2500.0 Secs		
								[=>2455.0 Secs]	[1]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>The diagram shows a horizontal timeline from 0 to 5500 seconds. Key events are marked with arrows: 'GS Acq' at ~200s, 'Exp. 1' (in a green box) at ~400s, 'Pointing Maneuver' at ~800s, 'Exp. 2' (in a green box) at ~900s, and 'Occultation' at ~3300s. A blue checkered bar represents the observation period from ~400s to ~3300s. A note below the occultation arrow states 'Unured Visibility = 0'. The x-axis is labeled 'sec' at the end.</p>										

Proposal 11145 - Visit 02 - Probing the Planet Forming Region of T Tauri Stars in Chamaeleon

Fri Jan 18 03:21:39 GMT 2008

Visit	Proposal 11145, Visit 02, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)										
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(2)		T-54	RA: 11 12 42.6900 (168.1778750d) Dec: -77 22 23.05 (-77.37307d) Equinox: J2000		V=11.16	Reference Frame: 2MASS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	T-54	(2) T-54	ACS/SBC, ACCUM, SBC	F140LP				360.0 Secs X 2		
									[==>108.0 Secs (Copy 1)]	[1]	
									[==>108.0 Secs (Copy 2)]		
	2	T-54	(2) T-54	ACS/SBC, ACCUM, SBC	PR130L				1800.0 Secs X 2		
									[==>1258.0 Secs (Copy 1)]	[1]	
									[==>1258.0 Secs (Copy 2)]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>Timeline labels: GS Acq, Exp. 1, copy 1, Exp. 1, copy 2, Pointing Maneuver, Exp. 2, copy 1, Exp. 2, copy 2, Occultation, Unused Visibility = 3</p> <p>X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>										
	<p>The diagram shows a horizontal timeline from 0 to 5500 seconds. A blue hatched bar represents the observation period, starting at approximately 400 seconds and ending at 3400 seconds. Key events are marked with arrows: 'GS Acq' at 0s, 'Exp. 1, copy 1' at ~400s, 'Exp. 1, copy 2' at ~600s, 'Pointing Maneuver' at ~700s, 'Exp. 2, copy 1' at ~800s, 'Exp. 2, copy 2' at ~2100s, and 'Occultation' at ~3400s. A small black square at the end of the occultation bar indicates 'Unused Visibility = 3' seconds.</p>										

Proposal 11145 - Visit 03 - Probing the Planet Forming Region of T Tauri Stars in Chamaeleon

Fri Jan 18 03:21:40 GMT 2008

Visit	Proposal 11145, Visit 03, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)										
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(3)		T-8	RA: 10 59 6.9900 (164.7791250d) Dec: -77 01 40.44 (-77.02790d) Equinox: J2000		V=11.37	Reference Frame: 2MASS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	T-8	(3) T-8	ACS/SBC, ACCUM, SBC	F140LP				360.0 Secs X 2		
									[==>108.0 Secs (Copy 1)]	[1]	
									[==>108.0 Secs (Copy 2)]		
	2	T-8	(3) T-8	ACS/SBC, ACCUM, SBC	PR130L				1800.0 Secs X 2		
									[==>1258.0 Secs (Copy 1)]	[1]	
									[==>1258.0 Secs (Copy 2)]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>Timeline labels: GS Acq, Exp. 1, copy 1, Exp. 1, copy 2, Pointing Maneuver, Exp. 2, copy 1, Exp. 2, copy 2, Occultation, Unused Visibility = 3</p> <p>X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>										
	<p>Diagram description: The orbit structure shows a sequence of events over time. A blue hatched bar represents the observation period from approximately 400 to 3400 seconds. Key events are marked with arrows: GS Acq at ~100s, Exp. 1, copy 1 at ~400s, Exp. 1, copy 2 at ~600s, Pointing Maneuver at ~700s, Exp. 2, copy 1 at ~800s, Exp. 2, copy 2 at ~2100s, and Occultation at ~3400s. A small black square indicates the end of the observation period at ~3400s. The text 'Unused Visibility = 3' is shown above the occultation event.</p>										

Proposal 11145 - Visit 04 - Probing the Planet Forming Region of T Tauri Stars in Chamaeleon

Fri Jan 18 03:21:40 GMT 2008

Visit	Proposal 11145, Visit 04, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)										
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(4)		T-26	RA: 11 07 20.7400 (166.8364167d) Dec: -77 38 7.35 (-77.63538d) Equinox: J2000		V=10.9	Reference Frame: SIMBAD					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	T-26	(4) T-26	ACS/SBC, ACCUM, SBC	F140LP				360.0 Secs X 2		
									[==>108.0 Secs (Copy 1)]	[1]	
									[==>108.0 Secs (Copy 2)]		
2	T-26	(4) T-26	ACS/SBC, ACCUM, SBC	PR130L				1800.0 Secs X 2			
								[==>1258.0 Secs (Copy 1)]	[1]		
								[==>1258.0 Secs (Copy 2)]			
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>Timeline labels: GS Acq, Exp. 1, copy 1, Exp. 1, copy 2, Pointing Maneuver, Exp. 2, copy 1, Exp. 2, copy 2, Occultation, Unused Visibility = 3</p> <p>X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>										
	<p>Diagram description: The diagram shows a horizontal timeline from 0 to 5500 seconds. A blue hatched bar represents the observation period, starting at approximately 400 seconds and ending at 3400 seconds. Above the timeline, several events are marked with green boxes containing a camera icon and arrows pointing to the timeline: 'Exp. 1, copy 1' at ~400s, 'Exp. 1, copy 2' at ~600s, 'Exp. 2, copy 1' at ~800s, and 'Exp. 2, copy 2' at ~2100s. A 'Pointing Maneuver' is indicated between 600s and 800s. 'GS Acq' is marked at ~100s. 'Occultation' is marked at ~3400s. A vertical line at ~3400s is labeled 'Unused Visibility = 3'. The x-axis is labeled with seconds from 0 to 5500 in increments of 500.</p>										

Proposal 11145 - Visit 05 - Probing the Planet Forming Region of T Tauri Stars in Chamaeleon

Fri Jan 18 03:21:40 GMT 2008

Visit	Proposal 11145, Visit 05, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
(5)		V-BM-CHA	RA: 13 08 6.2800 (197.0261667d) Dec: -77 55 5.18 (-77.91811d) Equinox: J2000		V=15.13	Reference Frame: 2MASS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	BM-CHA	(5) V-BM-CHA	ACS/SBC, ACCUM, SBC	F140LP				360.0 Secs [=>360.0 Secs]	[1]
	2	BM-CHA	(5) V-BM-CHA	ACS/SBC, ACCUM, SBC	PR130L				2500.0 Secs [=>2455.0 Secs]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>GS Acq</p> <p>Exp. 1</p> <p>Pointing Maneuver</p> <p>Exp. 2</p> <p>Occultation</p> <p>Unused Visibility = 0</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>									

Proposal 11145 - Visit 06 - Probing the Planet Forming Region of T Tauri Stars in Chamaeleon

Fri Jan 18 03:21:41 GMT 2008

Visit	Proposal 11145, Visit 06, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)										
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(6)		V-BF-CHA	RA: 13 05 20.7200 (196.3363333d) Dec: -77 39 1.60 (-77.65044d) Equinox: J2000		V=12.53	Reference Frame: 2MASS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	V-BF-CHA	(6) V-BF-CHA	ACS/SBC, ACCUM, SBC	F140LP				360.0 Secs X 2		
									[==>108.0 Secs (Copy 1)]	[1]	
									[==>108.0 Secs (Copy 2)]		
	2	V-BF-CHA	(6) V-BF-CHA	ACS/SBC, ACCUM, SBC	PR130L				1800.0 Secs X 2		
									[==>1258.0 Secs (Copy 1)]	[1]	
									[==>1258.0 Secs (Copy 2)]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>Timeline labels: GS Acq, Exp. 1, copy 1, Exp. 1, copy 2, Pointing Maneuver, Exp. 2, copy 1, Exp. 2, copy 2, Occultation, Unused Visibility = 3</p> <p>X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>										
	<p>The diagram shows a horizontal timeline from 0 to 5500 seconds. A blue hatched bar represents the observation period, starting at approximately 400 seconds and ending at 3400 seconds. Key events are marked with arrows: 'GS Acq' at 0s, 'Exp. 1, copy 1' at ~400s, 'Exp. 1, copy 2' at ~600s, 'Pointing Maneuver' at ~700s, 'Exp. 2, copy 1' at ~800s, 'Exp. 2, copy 2' at ~2100s, and 'Occultation' at ~3400s. A small black square at the end of the occultation bar indicates 'Unused Visibility = 3' seconds.</p>										

Proposal 11145 - Visit 07 - Probing the Planet Forming Region of T Tauri Stars in Chamaeleon

Fri Jan 18 03:21:41 GMT 2008

Visit	Proposal 11145, Visit 07, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)										
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(7)		V-CS-CHA	RA: 11 02 24.9100 (165.6037917d) Dec: -77 33 35.72 (-77.55992d) Equinox: J2000		V=11.69	Reference Frame: 2MASS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	V-CS-CHA	(7) V-CS-CHA	ACS/SBC, ACCUM, SBC	F165LP				360.0 Secs X 2		
									[==>108.0 Secs (Copy 1)]	[1]	
									[==>108.0 Secs (Copy 2)]		
2	V-CS-CHA	(7) V-CS-CHA	ACS/SBC, ACCUM, SBC	PR130L				1800.0 Secs X 2			
								[==>1258.0 Secs (Copy 1)]	[1]		
								[==>1258.0 Secs (Copy 2)]			
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>The diagram illustrates the timing of observations for Orbit 1. The x-axis represents time in seconds, ranging from 0 to 5500. Key events are marked with arrows: GS Acq at approximately 100 seconds, Exp. 1, copy 1 at 400 seconds, Exp. 1, copy 2 at 600 seconds, Pointing Maneuver at 700 seconds, Exp. 2, copy 1 at 800 seconds, Exp. 2, copy 2 at 2000 seconds, and Occultation at 3300 seconds. A shaded blue region from 400 to 3300 seconds is labeled 'Unused Visibility = 17'. Green boxes with double arrows highlight the exposure times for each copy of the two exposures.</p>										
	<p>Unused Visibility = 17</p>										

Proposal 11145 - Visit 08 - Probing the Planet Forming Region of T Tauri Stars in Chamaeleon

Fri Jan 18 03:21:42 GMT 2008

Visit	Proposal 11145, Visit 08, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)										
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(8)		T-6	RA: 10 58 16.7700 (164.5698750d) Dec: -77 17 17.06 (-77.28807d) Equinox: J2000		V=11.99	Reference Frame: 2MASS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	T-6	(8) T-6	ACS/SBC, ACCUM, SBC	F140LP				360.0 Secs X 2		
									[==>108.0 Secs (Copy 1)]	[1]	
									[==>108.0 Secs (Copy 2)]		
	2	T-6	(8) T-6	ACS/SBC, ACCUM, SBC	PR130L				1800.0 Secs X 2		
									[==>1258.0 Secs (Copy 1)]	[1]	
									[==>1258.0 Secs (Copy 2)]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>Timeline labels: GS Acq, Exp. 1, copy 1, Exp. 1, copy 2, Pointing Maneuver, Exp. 2, copy 1, Exp. 2, copy 2, Occultation, Unused Visibility = 3</p> <p>X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>										
	<p>Diagram description: The orbit structure shows a sequence of events over time. A blue hatched bar represents the observation period from approximately 400 to 3400 seconds. Key events are marked with arrows: GS Acq at ~100s, Exp. 1, copy 1 at ~400s, Exp. 1, copy 2 at ~600s, Pointing Maneuver at ~700s, Exp. 2, copy 1 at ~800s, Exp. 2, copy 2 at ~2100s, and Occultation at ~3400s. A small black square at the end of the occultation period indicates 'Unused Visibility = 3'.</p>										

Proposal 11145 - Visit 09 - Probing the Planet Forming Region of T Tauri Stars in Chamaeleon

Fri Jan 18 03:21:42 GMT 2008

Visit	Proposal 11145, Visit 09, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)										
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(9)		T-31	RA: 11 08 1.4900 (167.0062083d) Dec: -77 42 28.85 (-77.70801d) Equinox: J2000		V=12.64	Reference Frame: 2MASS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	T-31	(9) T-31	ACS/SBC, ACCUM, SBC	F140LP				360.0 Secs X 2		
									[==>108.0 Secs (Copy 1)]	[1]	
									[==>108.0 Secs (Copy 2)]		
	2	T-31	(9) T-31	ACS/SBC, ACCUM, SBC	PR130L				1800.0 Secs X 2		
									[==>1258.0 Secs (Copy 1)]	[1]	
									[==>1258.0 Secs (Copy 2)]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>Timeline labels: GS Acq, Exp. 1, copy 1, Exp. 1, copy 2, Pointing Maneuver, Exp. 2, copy 1, Exp. 2, copy 2, Occultation, Unused Visibility = 3</p> <p>X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>										
	<p>The diagram illustrates the sequence of events for Orbit 1. It starts with GS Acq at 0 seconds. The observation period (blue hatched bar) begins at approximately 400 seconds and ends at 3400 seconds. Key events within this period include two exposures of Exp. 1 (copies 1 and 2) and two exposures of Exp. 2 (copies 1 and 2), separated by a pointing maneuver. An occultation occurs at approximately 3400 seconds, followed by 3 seconds of unused visibility. The total observation time is 3000 seconds.</p>										

Proposal 11145 - Visit 10 - Probing the Planet Forming Region of T Tauri Stars in Chamaeleon

Fri Jan 18 03:21:42 GMT 2008

Visit	Proposal 11145, Visit 10, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
(10)		T-29	RA: 11 07 57.9300 (166.9913750d) Dec: -77 38 44.93 (-77.64581d) Equinox: J2000		V=14.2	Reference Frame: 2MASS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	T-29	(10) T-29	ACS/SBC, ACCUM, SBC	F140LP				360.0 Secs [=>360.0 Secs]	[1]
	2	T-29	(10) T-29	ACS/SBC, ACCUM, SBC	PR130L				2500.0 Secs [=>2455.0 Secs]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>GS Acq</p> <p>Exp. 1</p> <p>Pointing Maneuver</p> <p>Exp. 2</p> <p>Occultation</p> <p>Unused Visibility = 0</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>									

Proposal 11145 - Visit 11 - Probing the Planet Forming Region of T Tauri Stars in Chamaeleon

Fri Jan 18 03:21:42 GMT 2008

Visit	Proposal 11145, Visit 11, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)									
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous			
(11)		T-35	RA: 11 08 39.0500 (167.1627083d) Dec: -77 16 4.24 (-77.26784d) Equinox: J2000		V=16.28	Reference Frame: 2MASS				
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit
	1	T-35	(11) T-35	ACS/SBC, ACCUM, SBC	F140LP				360.0 Secs [=>360.0 Secs]	[1]
	2	T-35	(11) T-35	ACS/SBC, ACCUM, SBC	PR130L				2500.0 Secs [=>2455.0 Secs]	[1]
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>GS Acq</p> <p>Exp. 1</p> <p>Pointing Maneuver</p> <p>Exp. 2</p> <p>Occultation</p> <p>Unused Visibility = 0</p> <p>0 500 1000 1500 2000 2500 3000 3500 4000 4500 5000 5500 sec</p>									

Proposal 11145 - Visit 12 - Probing the Planet Forming Region of T Tauri Stars in Chamaeleon

Fri Jan 18 03:21:43 GMT 2008

Visit	Proposal 11145, Visit 12, implementation Diagnostic Status: No Diagnostics Scientific Instruments: ACS/SBC Special Requirements: (none)										
	Fixed Targets	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous				
(12)		T-56	RA: 11 17 37.0100 (169.4042083d) Dec: -77 04 38.12 (-77.07726d) Equinox: J2000		V=13.5	Reference Frame: 2MASS					
Exposures	#	Label	Target	Config,Mode,Aperture	Spectral Els.	Opt. Params.	Special Reqs.	Groups	Exp. Time/[Actual Dur.]	Orbit	
	1	T-56	(12) T-56	ACS/SBC, ACCUM, SBC	F140LP				360.0 Secs X 2		
									[==>108.0 Secs (Copy 1)]	[1]	
									[==>108.0 Secs (Copy 2)]		
	2	T-56	(12) T-56	ACS/SBC, ACCUM, SBC	PR130L				1800.0 Secs X 2		
									[==>1258.0 Secs (Copy 1)]	[1]	
									[==>1258.0 Secs (Copy 2)]		
Orbit Structure	<p>Orbit 1 Server Version: 20071214</p> <p>Timeline labels: GS Acq, Exp. 1, copy 1, Exp. 1, copy 2, Pointing Maneuver, Exp. 2, copy 1, Exp. 2, copy 2, Occultation, Unused Visibility = 3</p> <p>X-axis: 0, 500, 1000, 1500, 2000, 2500, 3000, 3500, 4000, 4500, 5000, 5500 sec</p>										
	<p>Diagram description: The orbit structure shows a sequence of events over time. A blue hatched bar represents the observation period from approximately 400 to 3400 seconds. Key events are marked with arrows: GS Acq at ~100s, Exp. 1, copy 1 at ~400s, Exp. 1, copy 2 at ~600s, Pointing Maneuver at ~700s, Exp. 2, copy 1 at ~800s, Exp. 2, copy 2 at ~2100s, and Occultation at ~3400s. A small black square at the end of the occultation period indicates a 3-second unused visibility window.</p>										