



11837 - A Co-ordinated Chandra, Suzaku, HST Campaign for NGC3227

Cycle: 17, Proposal Category: GO

(Availability Mode: SUPPORTED)

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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) NGC-3227	COS/FUV COS/NUV	2	30-Mar-2010 21:00:53.0	yes

2 Total Orbits Used

ABSTRACT

We propose a 200ksec LETGS/HRC observation of NGC3227, a bright, nearby AGN, coordinated with Suzaku monitoring and HST UV spectra. NGC3227 seems to have a distant, dusty, 'lukewarm' Warm Absorber (WA), AND a smaller, high ionization, WA. For these WAs an LETGS grating spectrum will determine: ionization parameter, NH, 'b'-parameter, metal ratios and dust-specific features. The WA location will be known from Suzaku monitoring; together Chandra and Suzaku observations determine the mass loss rate. A joint HST/COS UV spectrum gives absolute metallicity and velocity and covering factor. With the WAs well characterized, NGC3227 joins two other WAs to span M BH - L/L Edd space, allowing tests of AGN-galaxy feedback models.

OBSERVING DESCRIPTION

No position angle constraints.

Observe as early in Cycle as possible to maximize coordination with January 2009 Chandra grating observation.

Proposal 11837 - Visit 01 - A Co-ordinated Chandra, Suzaku, HST Campaign for NGC3227

Wed Mar 31 01:00:58 GMT 2010

Visit	Proposal 11837, Visit 01, implementation Diagnostic Status: Warning Scientific Instruments: COS/NUV, COS/FUV Special Requirements: (none) <i>Comments: G130M needs night-time to avoid Ly-alpha saturation of XDL</i>																																																																																														
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Fixed Targets	<table border="1"> <thead> <tr> <th>#</th> <th>Name</th> <th>Target Coordinates</th> <th>Targ. Coord. Corrections</th> <th>Fluxes</th> <th>Miscellaneous</th> </tr> </thead> <tbody> <tr> <td>(1)</td> <td>NGC-3227</td> <td>RA: 10 23 30.5790 (155.8774125d) Dec: +19 51 54.18 (19.86505d) Equinox: J2000</td> <td></td> <td>V=11.2</td> <td>Reference Frame: ICRS</td> </tr> </tbody> </table>	#	Name	Target Coordinates	Targ. Coord. Corrections	Fluxes	Miscellaneous	(1)	NGC-3227	RA: 10 23 30.5790 (155.8774125d) Dec: +19 51 54.18 (19.86505d) Equinox: J2000		V=11.2	Reference Frame: ICRS	<i>Comments: This object was generated by the targetselector and retrieved from the NED database. Need to refine/check co-ordinates.</i>																																																																																	
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<i>Comments: f(2000A)=4e-15 erg/cm/A (Swift, Oct 2008)</i>																																																																																															

