

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 13704 - L2 Version 1
Chandra X-Ray Center

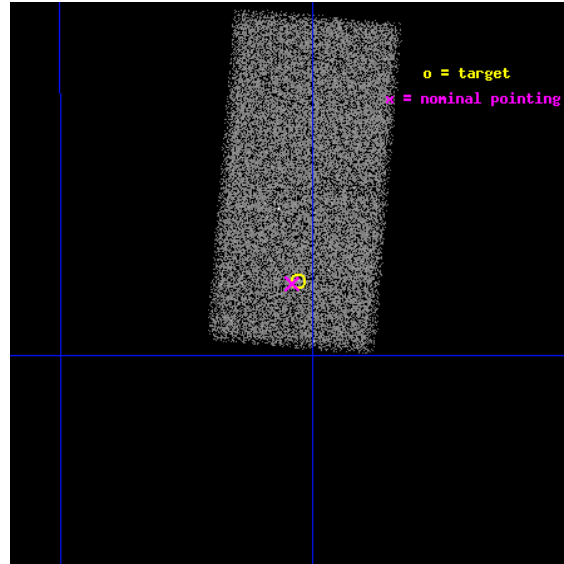
L2 Processing Date : Jul 30 2012

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1 Front

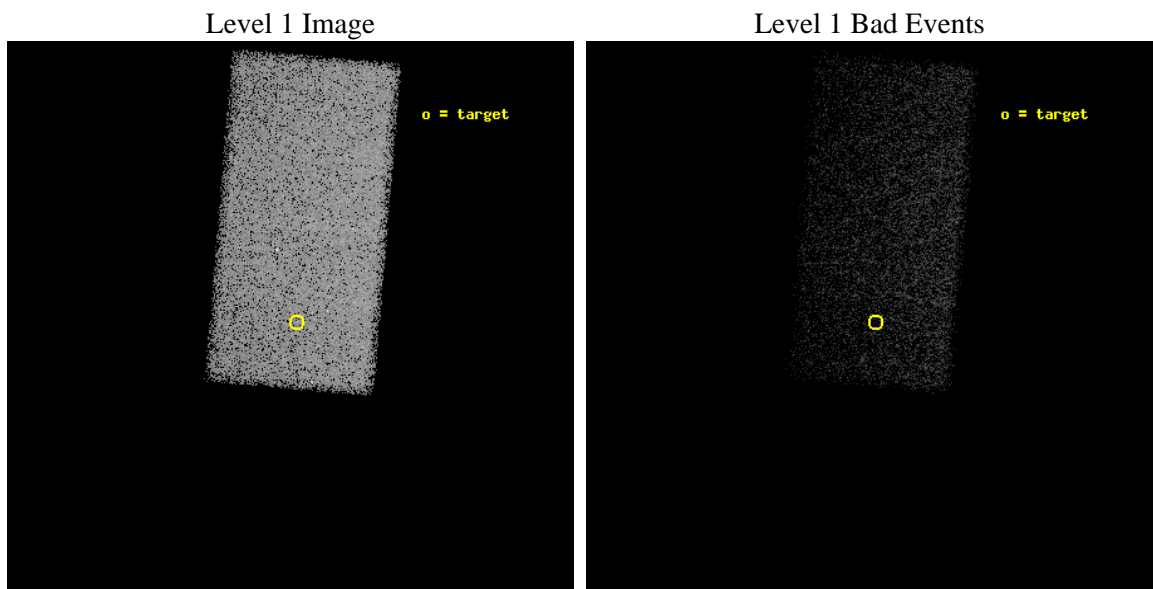
seq_num	401390	Sequence number
obs_id	13704	Observation id
title	The unique opportunity to determine the mass of an accreting neutron star: an eclipsing accretion powered X-ray pulsar	Proposal title
observer	dr Peter Jonker	Principal investigator
object	SWIFTJ1749.4-2807	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.3825	Observer's specified target RA [deg]
dec_targ	-28.134694	Observer's specified target Dec [deg]
ra_nom	267.38552830691	Nominal RA [deg]
dec_nom	-28.136081175732	Nominal Dec [deg]
roll_nom	274.84980413117	Nominal Roll [deg]
revision	1	Processing version of data
ontime	25070.843514979	Sum of GTIs [s]
livetime	24403.172709643	Livetime [s]
ontime7	25070.843514979	Sum of GTIs [s]
l2events	41959	Number of level 2 events



2 OBI

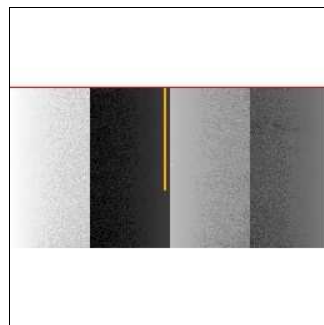
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	1	Obi number	sched_exp_time	25000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	25070.843514979	Sum of GTIs [s]
caldsver	4.5.1	 	ontime7	25070.843514979	Sum of GTIs [s]
date	2012-07-30T18:41:33	Date and time of file creation	l1events	89247	Number of level 1 events
revision	1	Processing version of data			

2.1.4 Events

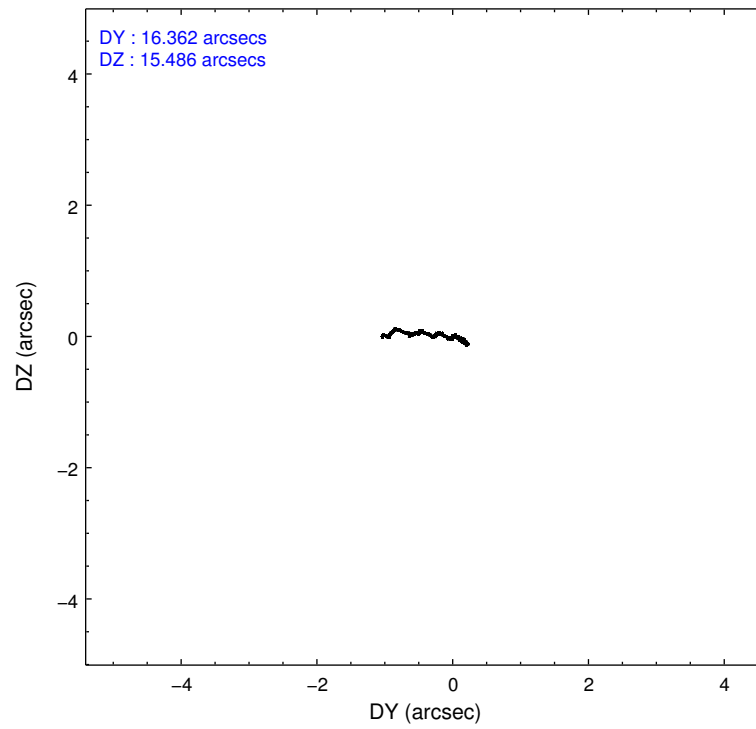
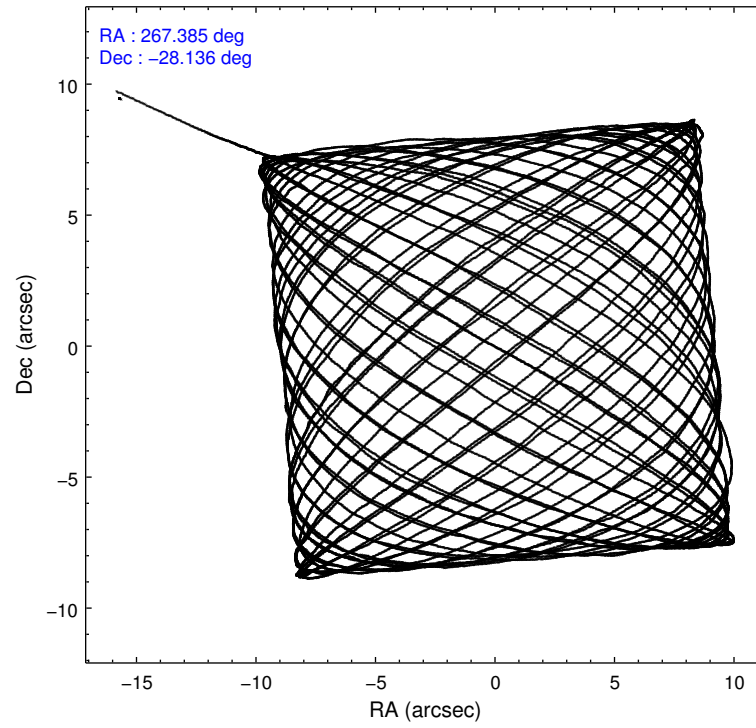
	ccd 7
level 1 events	89247
rejected events	46157
rejected %	51%

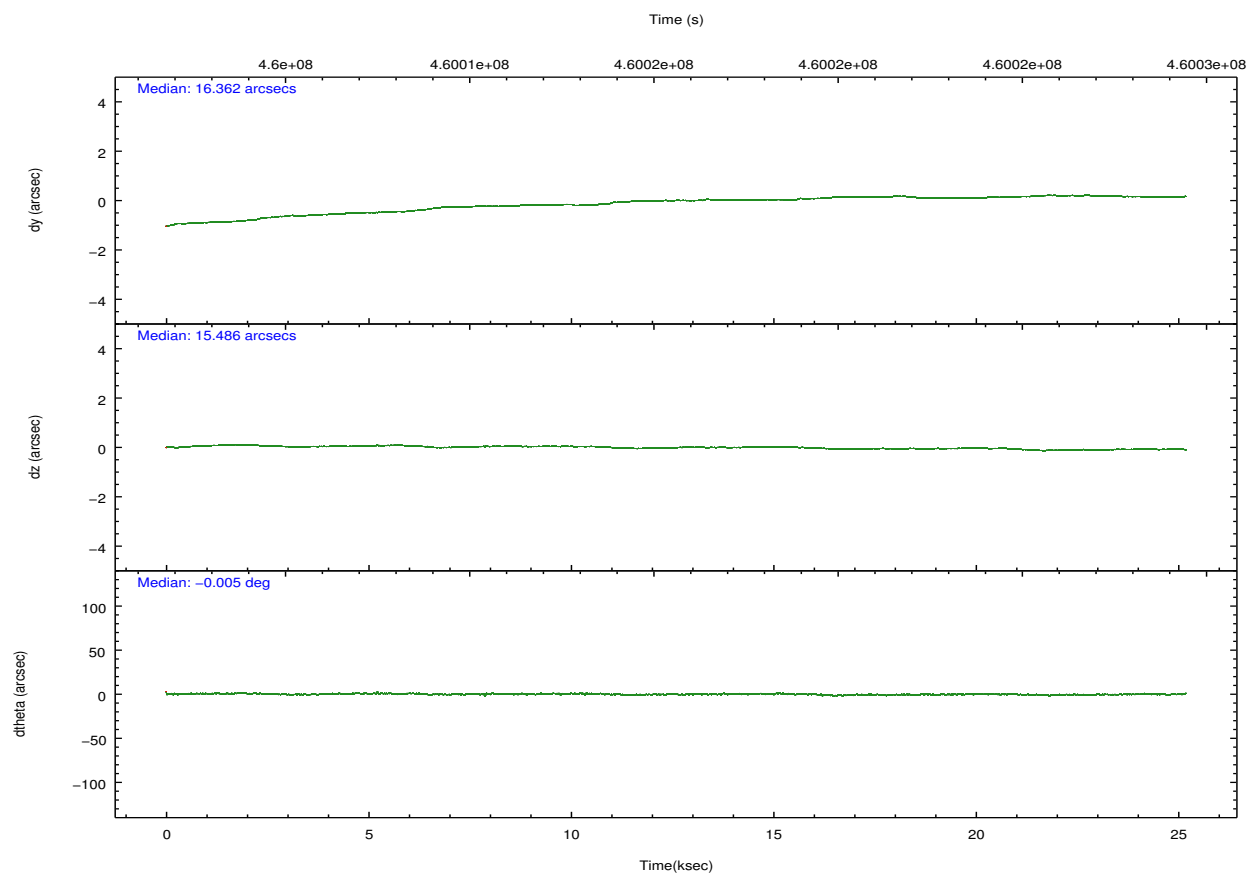
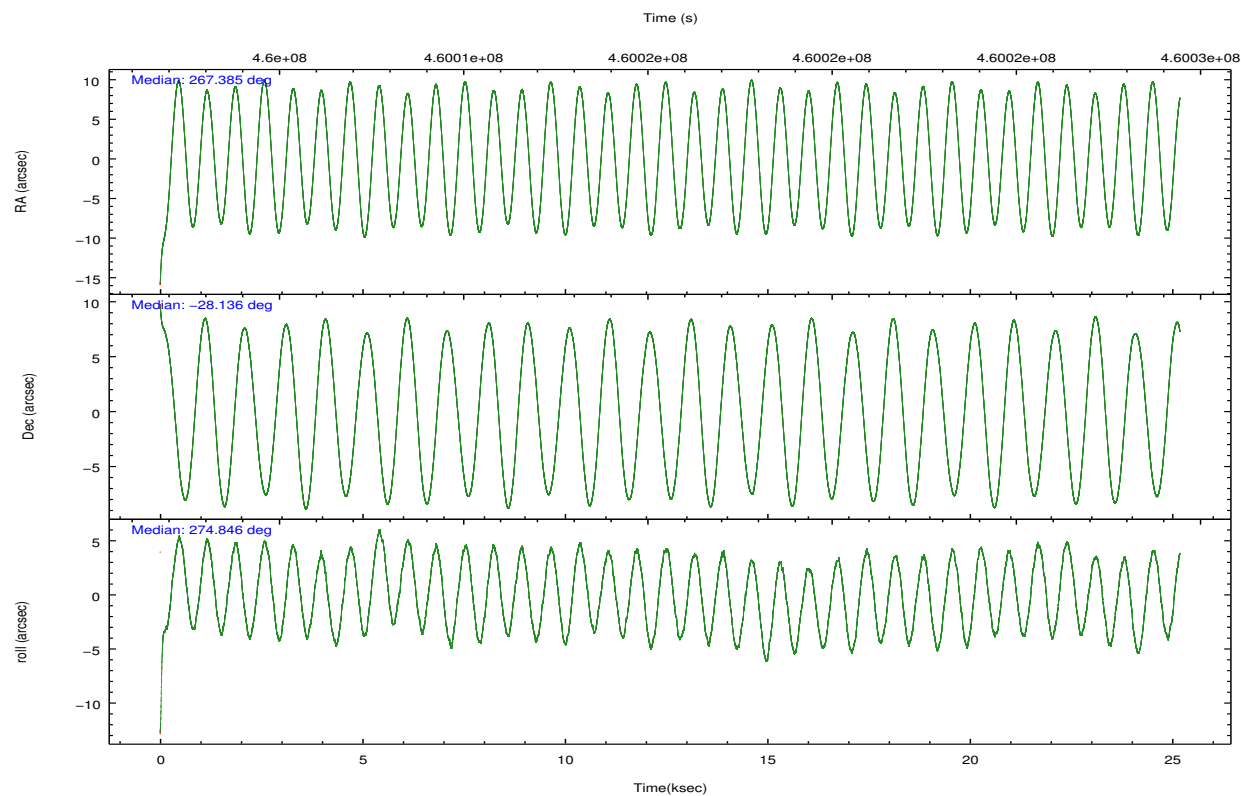
	ccd 7
grade 0 events	4530
	5%
grade 1 events	109
	0%
grade 2 events	8905
	9%
grade 3 events	4374
	4%
grade 4 events	4146
	4%
grade 5 events	9411
	10%
grade 6 events	21142
	23%
grade 7 events	36630
	41%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-7	ACIS-7	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	Number of optional ACIS chips dropped	0	0
Observation mode	POINTING	POINTING	On-chip summing requested	N	N
[deg] Pointing RA	267.367476	267.3855283069064	Subarray requested	CUSTOM	1/2
[deg] Pointing Dec	-28.113880	-28.13608117573218	Subarray start row	257	257
[deg] Pointing Roll	274.684671	274.8498041311706	Subarray row count	512	512
[mm] SIM focus pos	-0.684267	-0.6828225247311905	Alternating exposures requested	N	N
[mm] SIM defocus	0	0.001444936568705701	[s] Primary exposure time	0.000000	1.5
[mm] SIM translation stage pos	-190.132523	-190.1400660498719			
[mm] SIM translation stage offset	0	0.00754346686406393			
[s] Observation start time (MET)	460003185.184000	460001744.78548			
Observation start date	2012-07-30T02:38:38	2012-07-30T02:15:44			
[s] Observation end time (MET)	460028185.184000	460028436.81191			
Observation end date	2012-07-30T09:35:18	2012-07-30T09:40:36			
Read mode	TIMED	TIMED			

2.3 Aspect



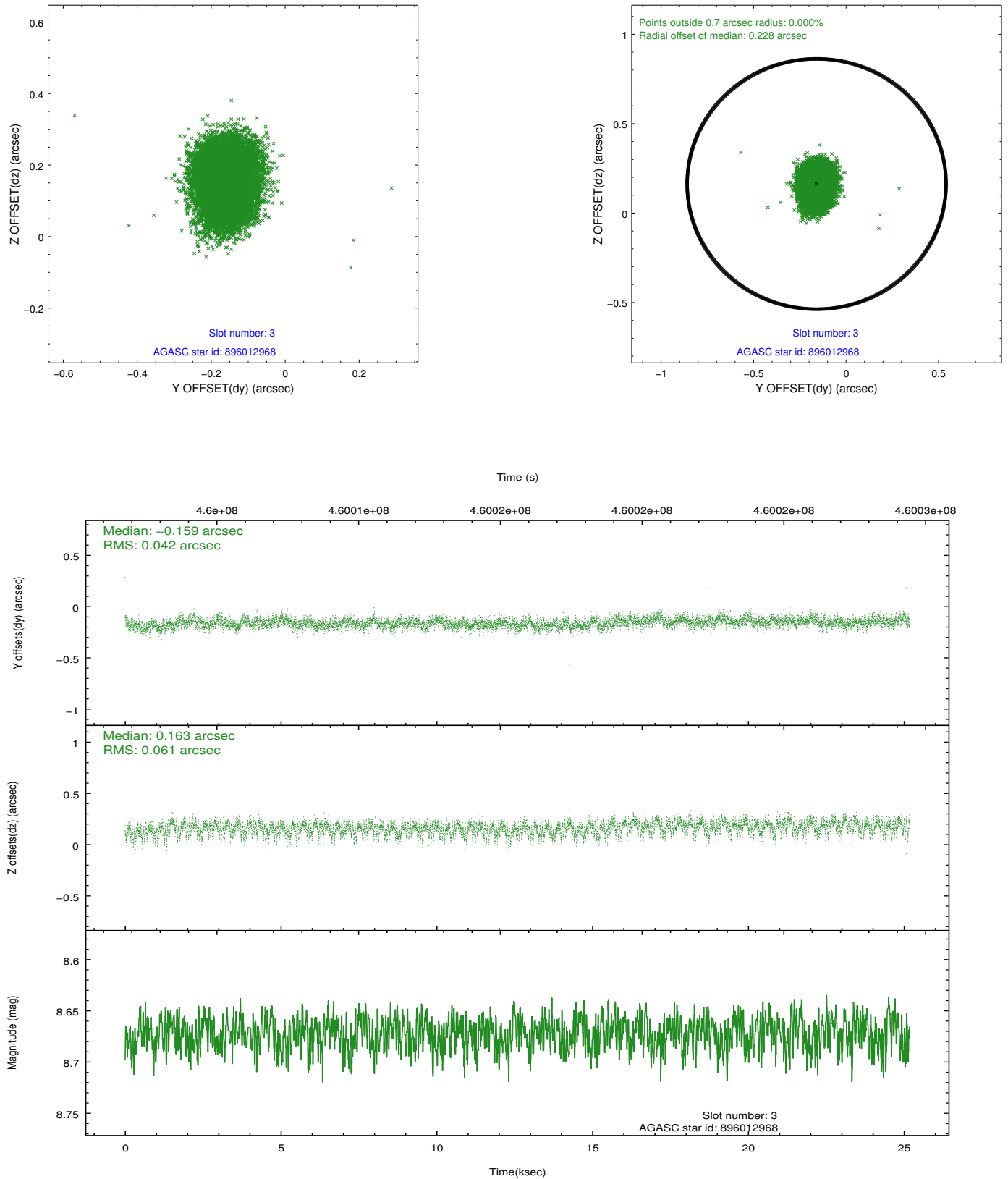


Slot Statistics

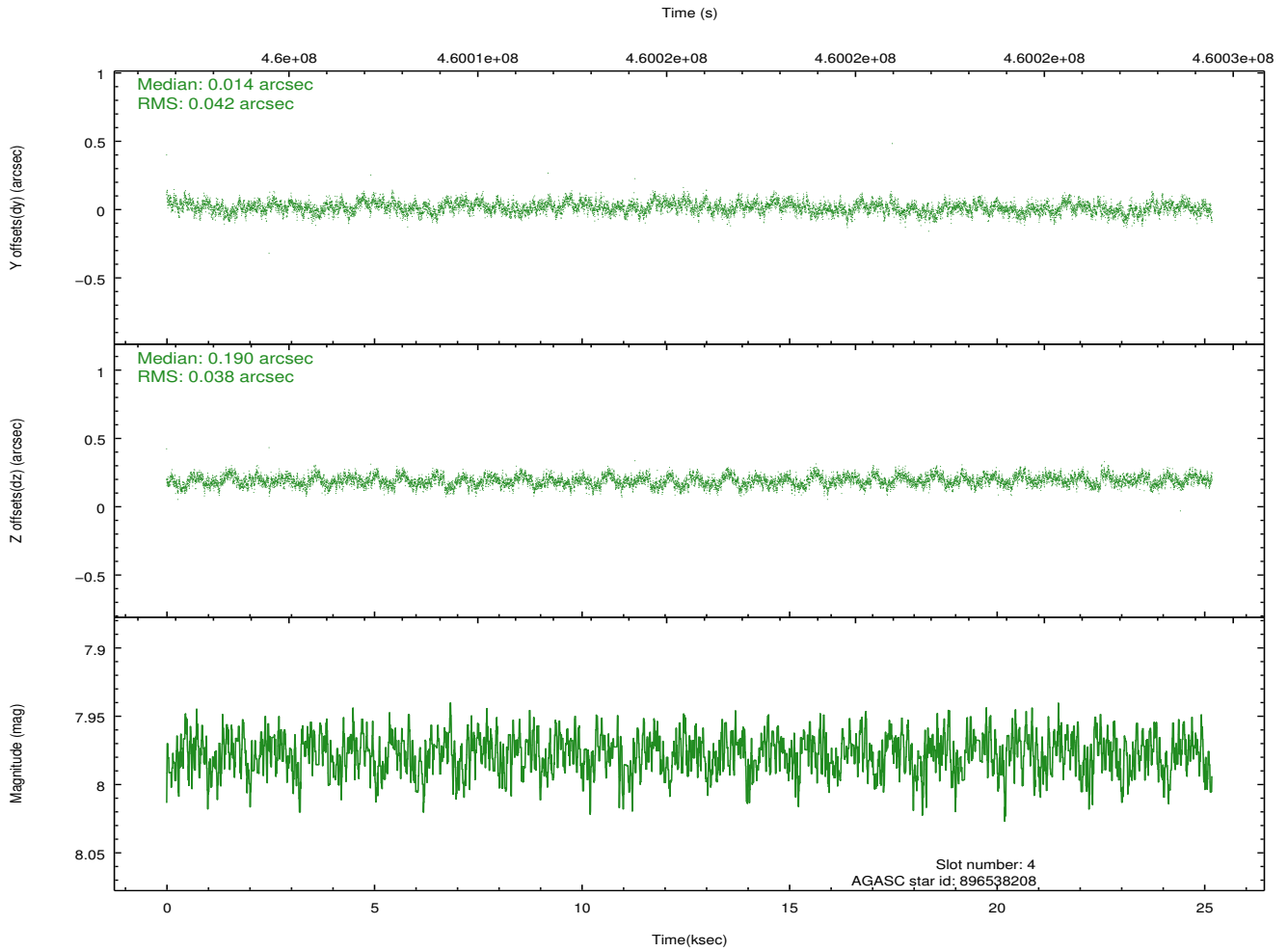
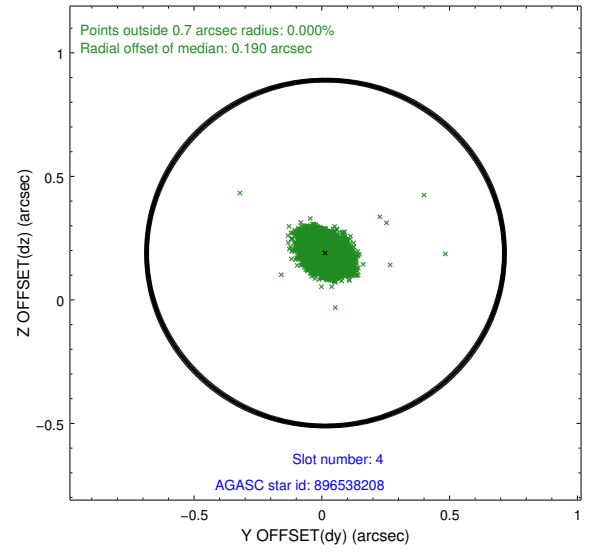
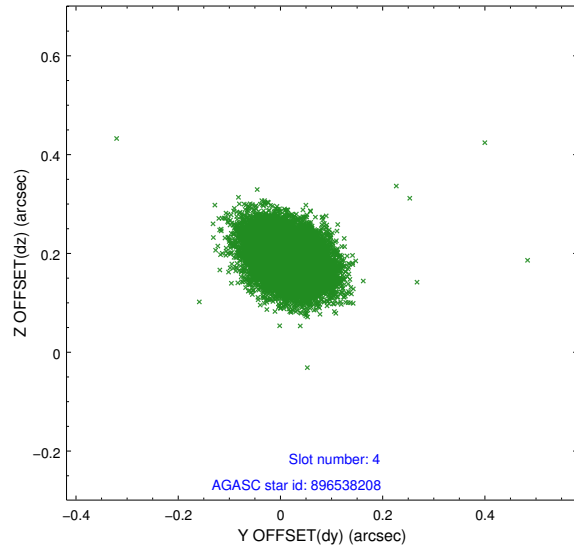
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	6.93	6143	-0.125	-0.005	0.009	0.014	0.000000	0.000000	-769.32	-1736.88
1	FID	ACIS-S-4	7.02	6143	0.233	0.061	0.006	0.015	0.000000	0.000000	2144.24	171.57
2	FID	ACIS-S-5	7.04	6144	-0.139	-0.048	0.009	0.017	0.000000	0.000000	-1822.05	165.23
3	GUIDE	896012968	8.67	12282	-0.159	0.163	0.078	0.127	266.634547	-27.600471	-2025.79	-2180.07
4	GUIDE	896538208	7.98	12287	0.014	0.190	0.059	0.098	267.176969	-28.671626	1952.81	-763.58
5	GUIDE	896543712	8.23	12282	0.586	-0.085	0.062	0.100	267.764551	-28.659720	2064.06	1089.59
6	GUIDE	897712584	6.41	12287	-0.360	-0.168	0.062	0.093	268.003029	-28.022394	-157.96	2039.46
7	GUIDE	897713656	8.84	12277	-0.077	-0.098	0.072	0.119	267.994864	-27.592870	-1700.64	2147.89

2.4 Star Slots

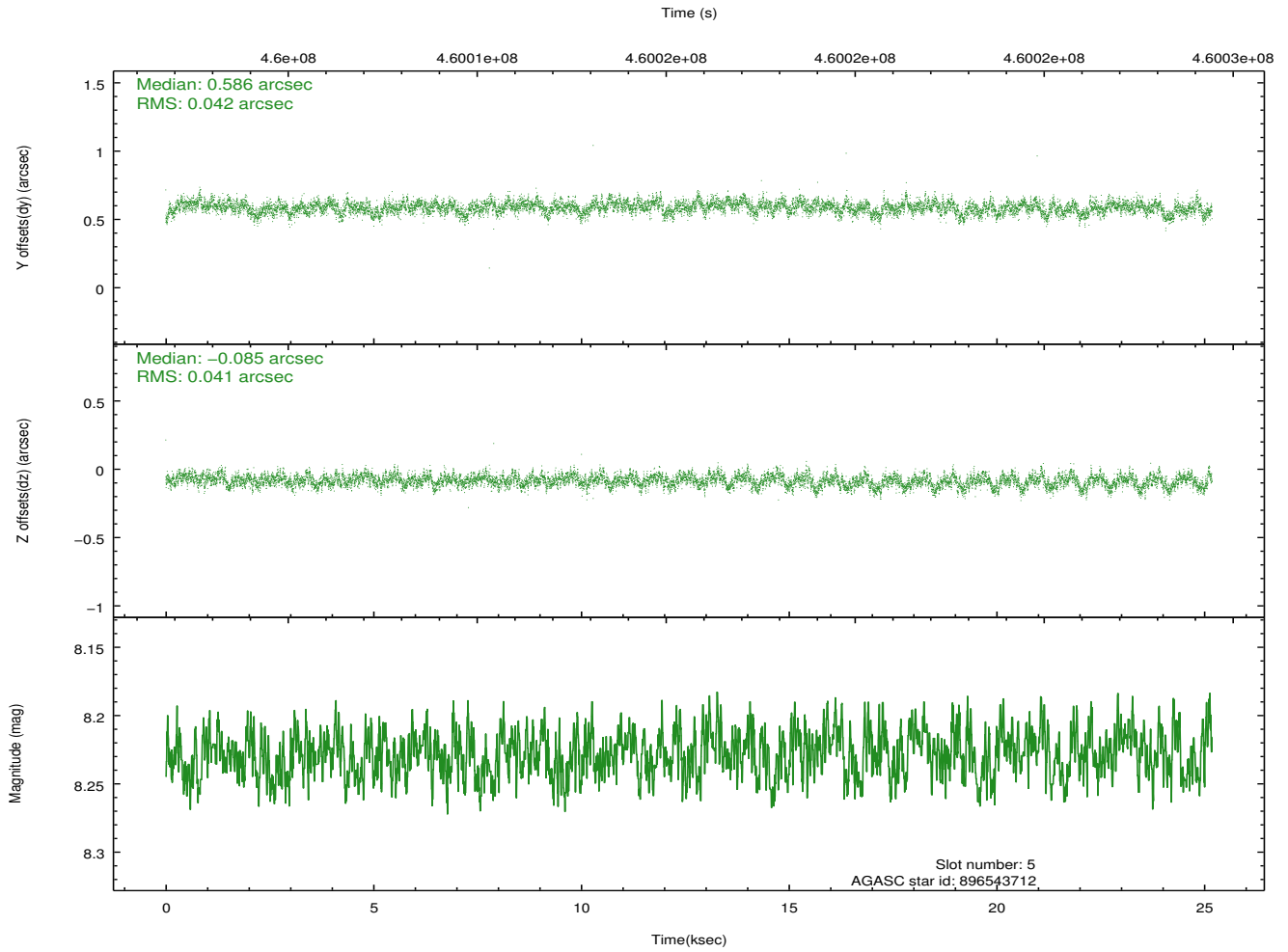
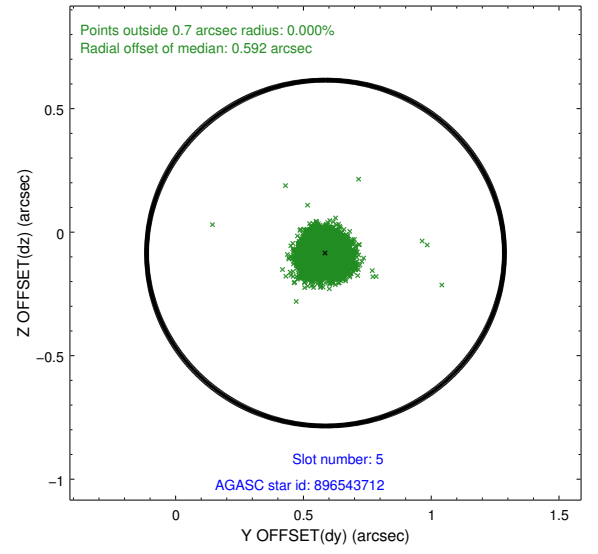
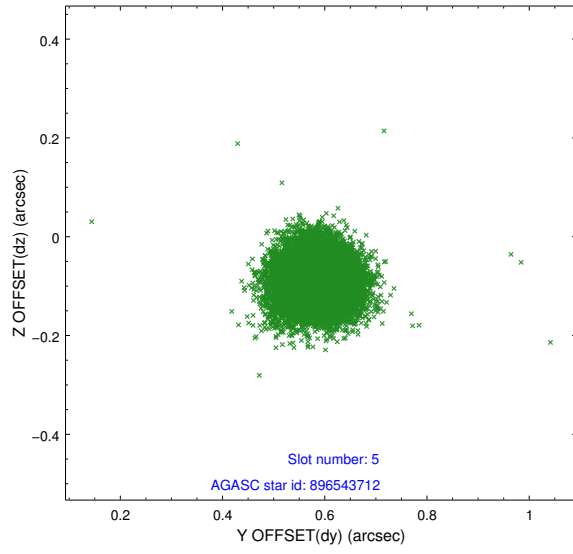
2.4.1 Slot 3



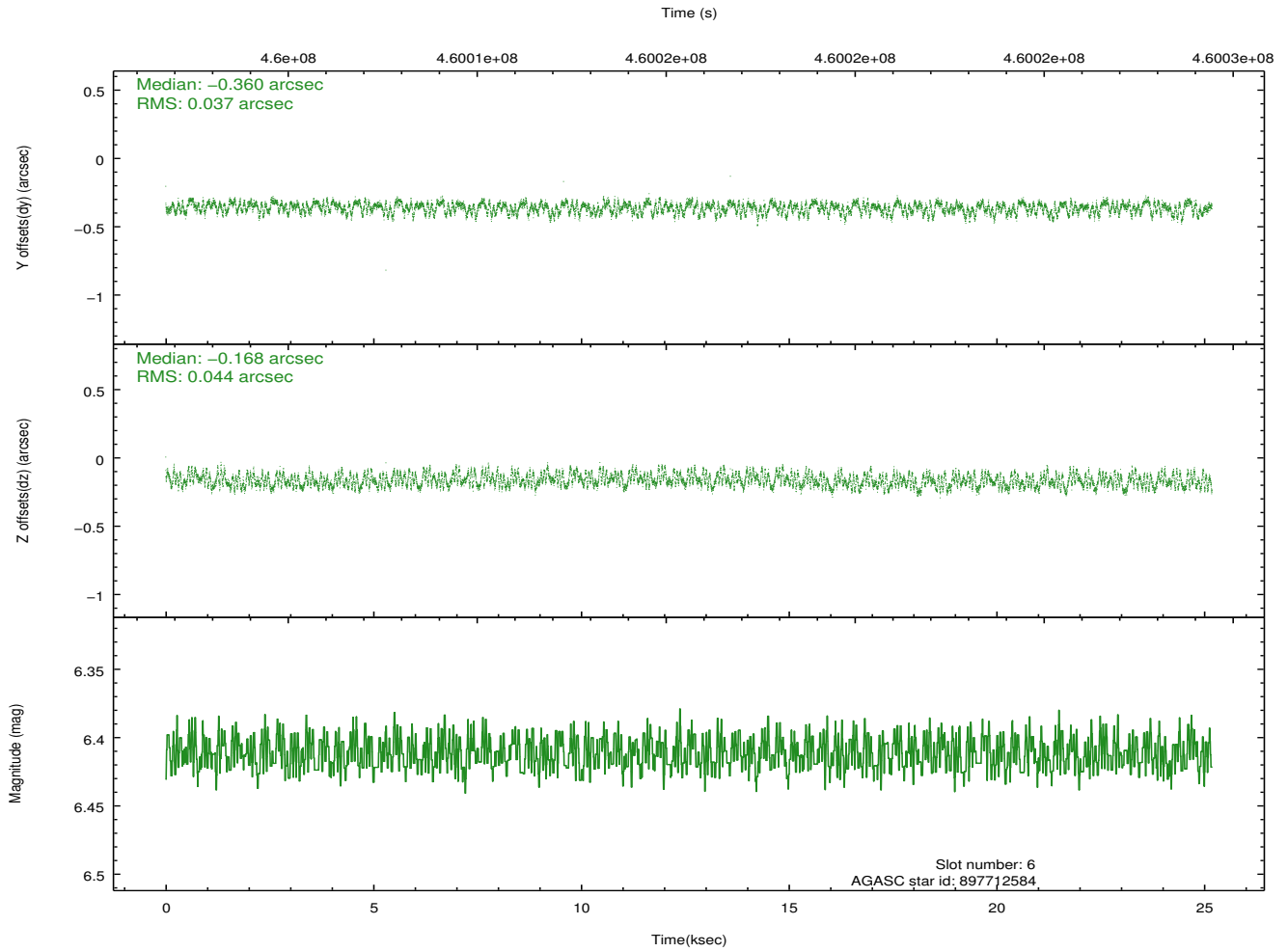
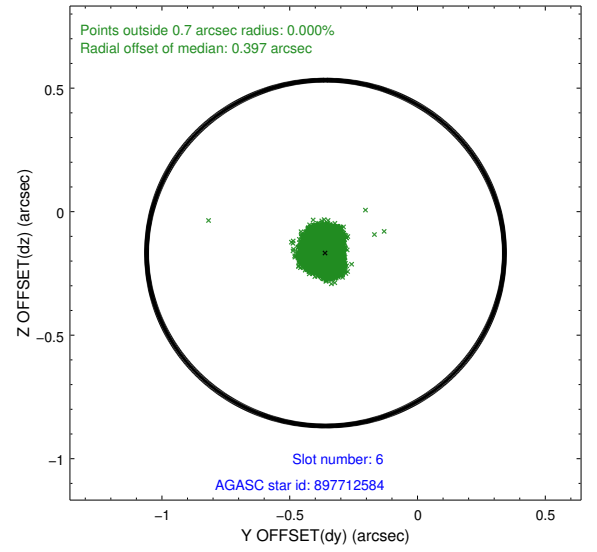
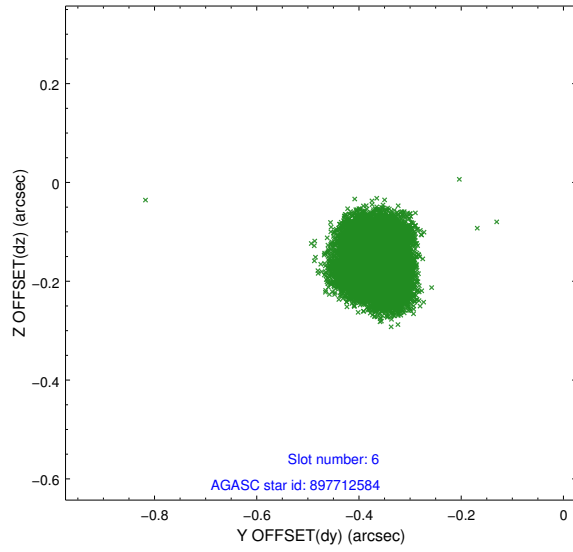
2.4.2 Slot 4



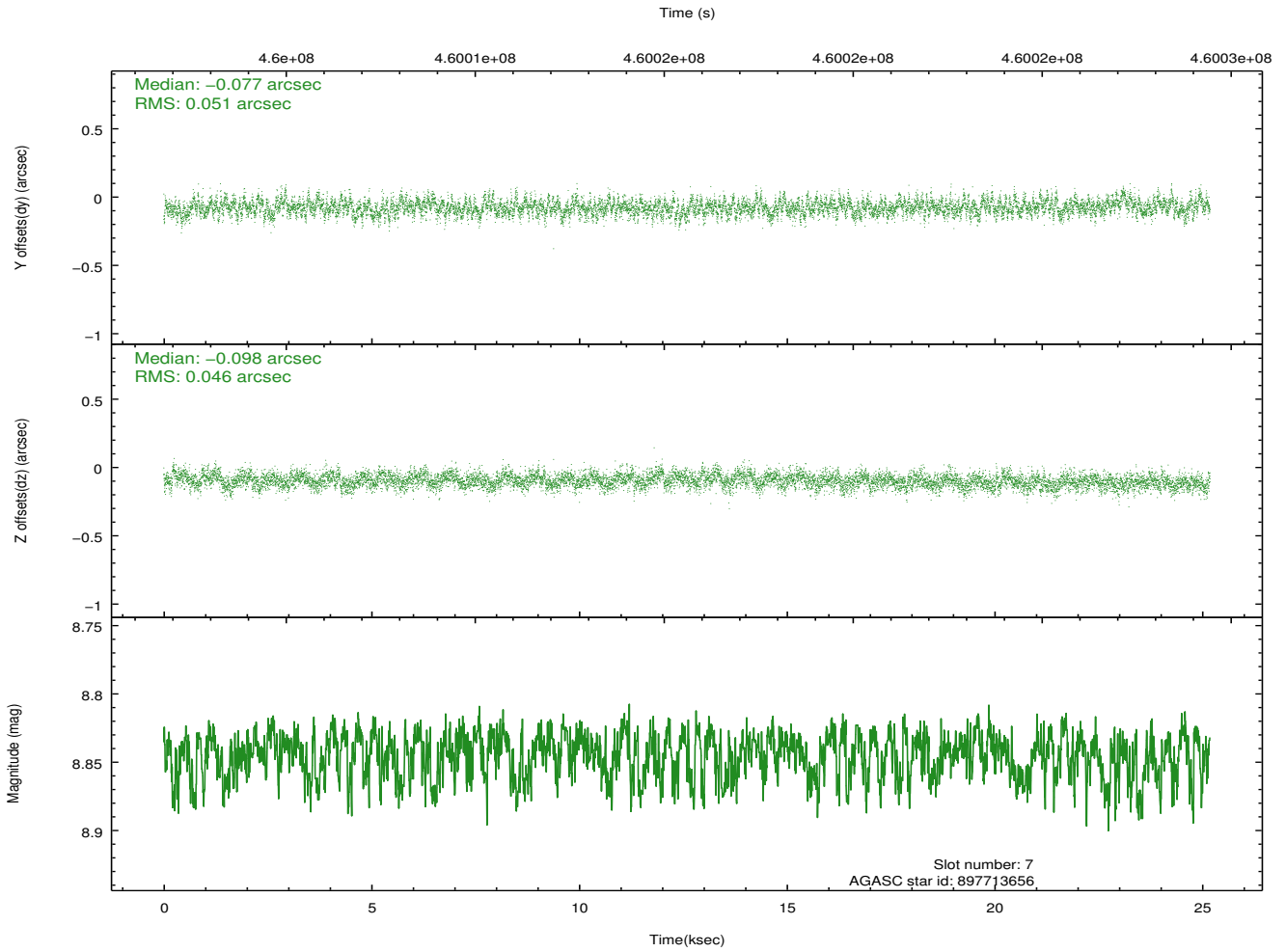
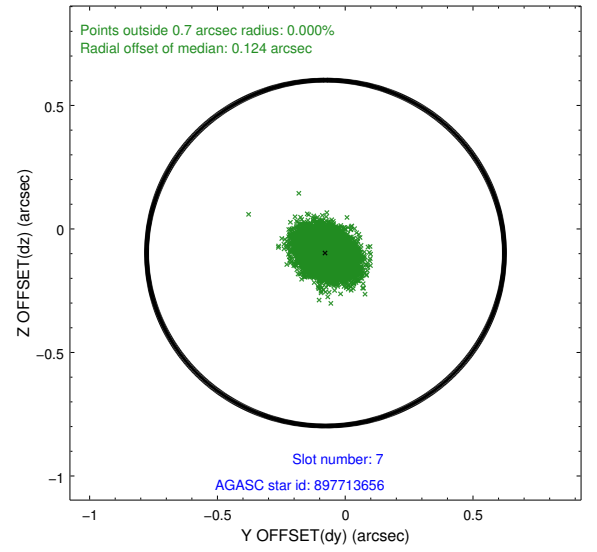
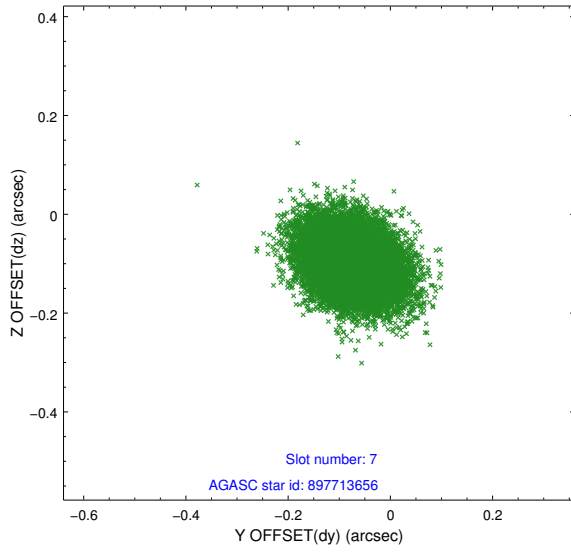
2.4.3 Slot 5



2.4.4 Slot 6

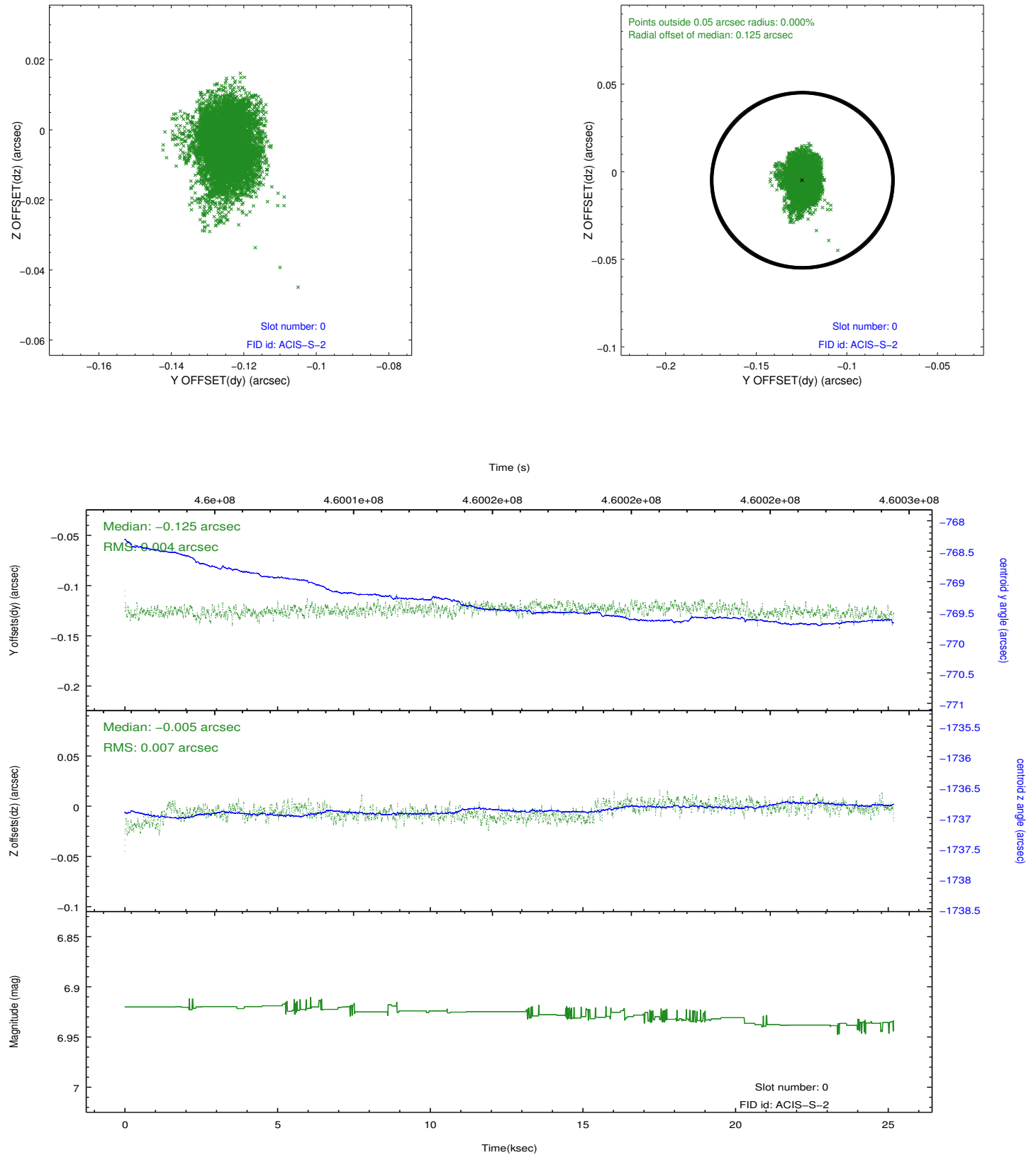


2.4.5 Slot 7

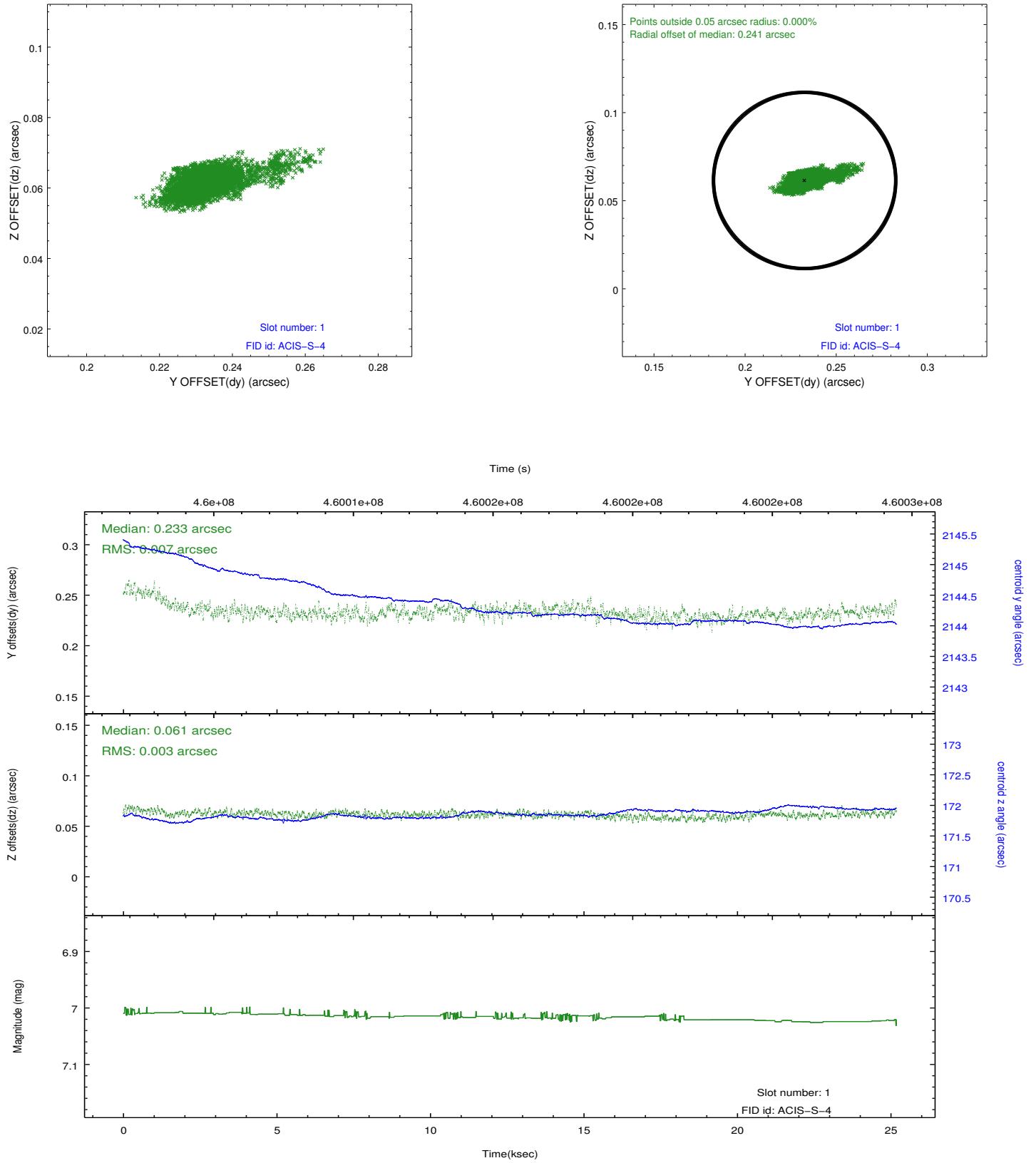


2.5 FID Slots

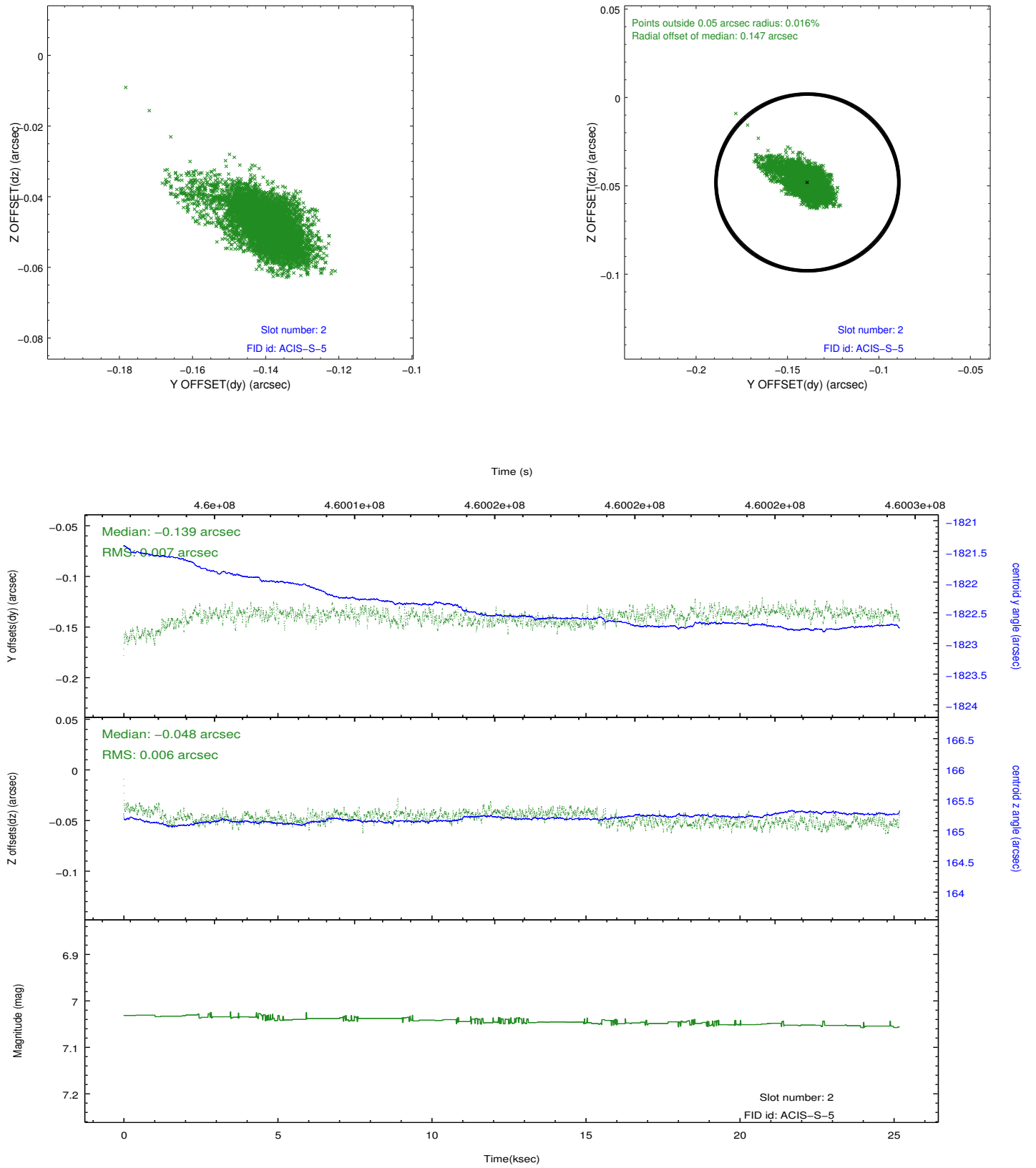
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Beth Sundheim
V&V Date (YYYY-MM-DD)	2012.07.31
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	25.070843514979

A.2 Comments

Joint proposal with NOAO.