

V&V Reference Report

L2 ASCDS Version : 8.4.3

Observation 12156 - L2 Version 2
Chandra X-Ray Center

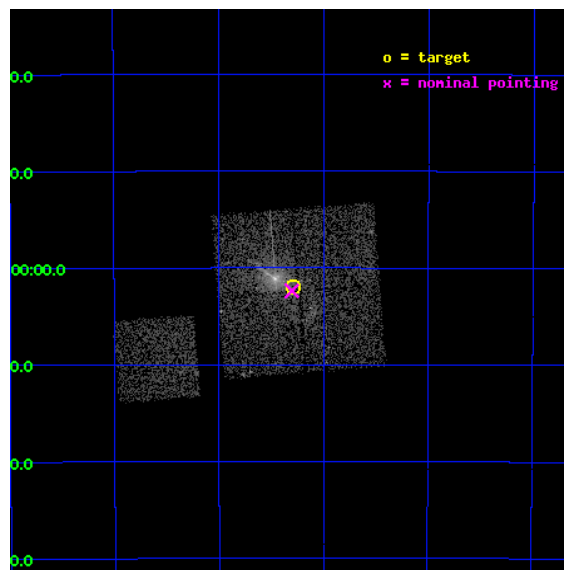
L2 Processing Date : Feb 13 2012

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1 Front

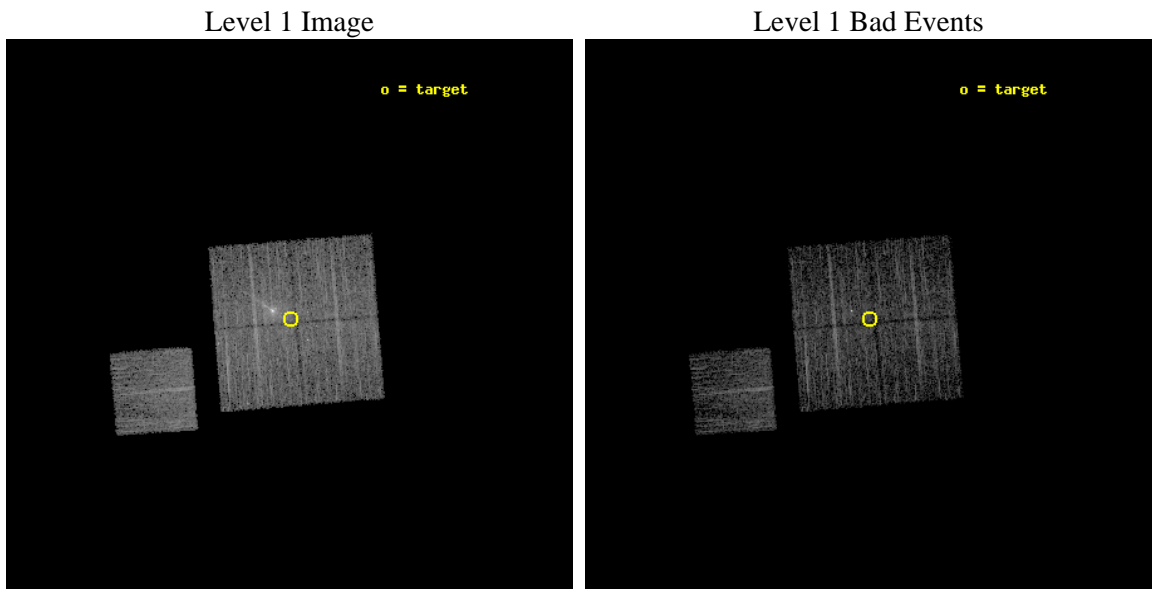
seq_num	702326	Sequence number
obs_id	12156	Observation id
title	Monitoring of the Jet and X-ray Binary Population of Centaurus A	P
observer	Dr Stephen Murray	Principal investigator
object	Centaurus A	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	201.32312	Observer's specified target RA [deg]
dec_targ	-43.031706	Observer's specified target Dec [deg]
ra_nom	201.3255154795	Nominal RA [deg]
dec_nom	-43.03954074247	Nominal Dec [deg]
roll_nom	265.38958976172	Nominal Roll [deg]
revision	2	Processing version of data
ontime	5059.2000389099	Sum of GTIs [s]
livetime	4993.0978658727	Livetime [s]
ontime0	5059.2000389099	Sum of GTIs [s]
ontime1	5059.2000389099	Sum of GTIs [s]
ontime2	5059.2000389099	Sum of GTIs [s]
ontime3	5059.2000389099	Sum of GTIs [s]
ontime6	5059.2000389099	Sum of GTIs [s]
l2events	25313	Number of level 2 events



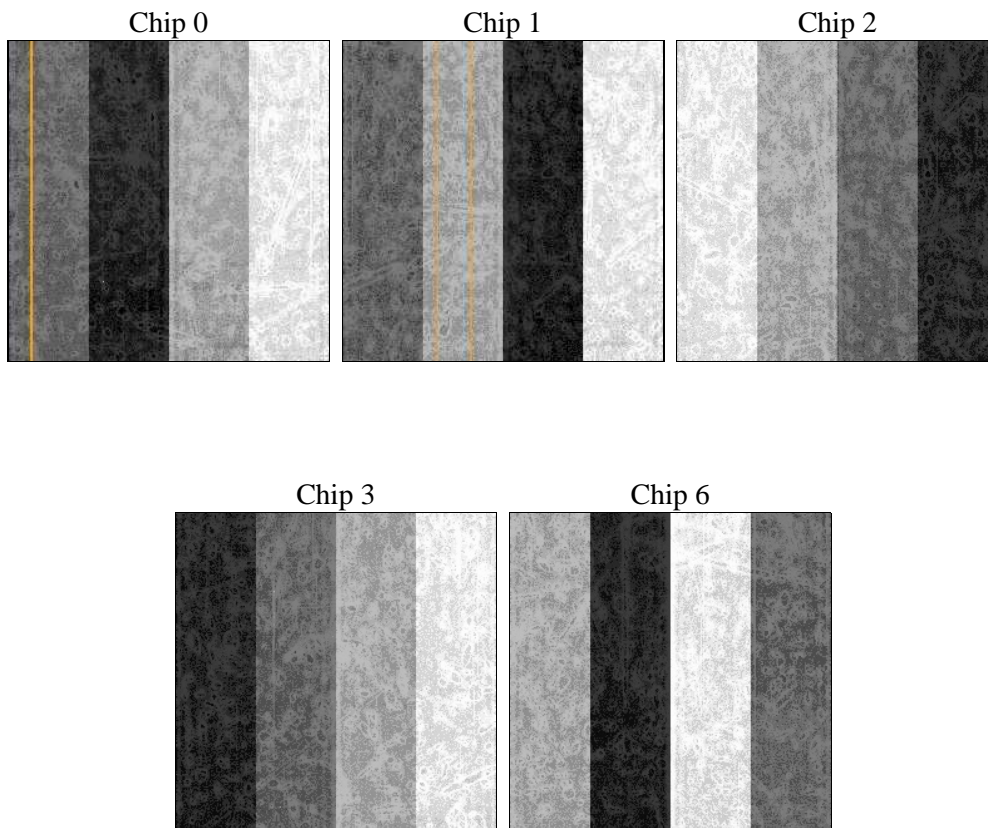
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.3	Processing system revision	ontime	5059.2000389099	Sum of GTIs [s]
caldbver	4.4.7	 	ontime0	5059.2000389099	Sum of GTIs [s]
date	2012-02-13T10:45:02	Date and time of file creation	ontime1	5059.2000389099	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	5059.2000389099	Sum of GTIs [s]
			ontime3	5059.2000389099	Sum of GTIs [s]
			ontime6	5059.2000389099	Sum of GTIs [s]
			l1events	158673	Number of level 1 events

2.1.4 Events

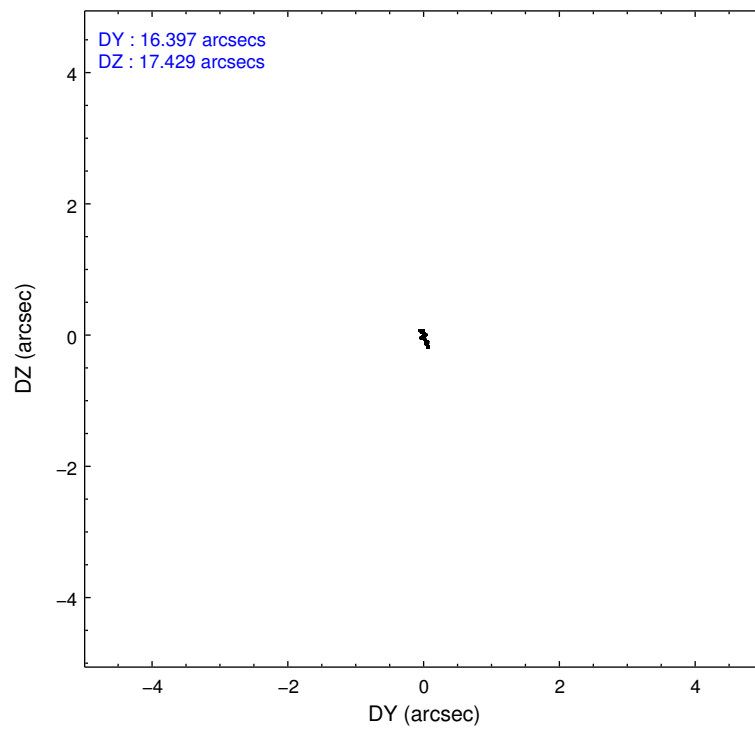
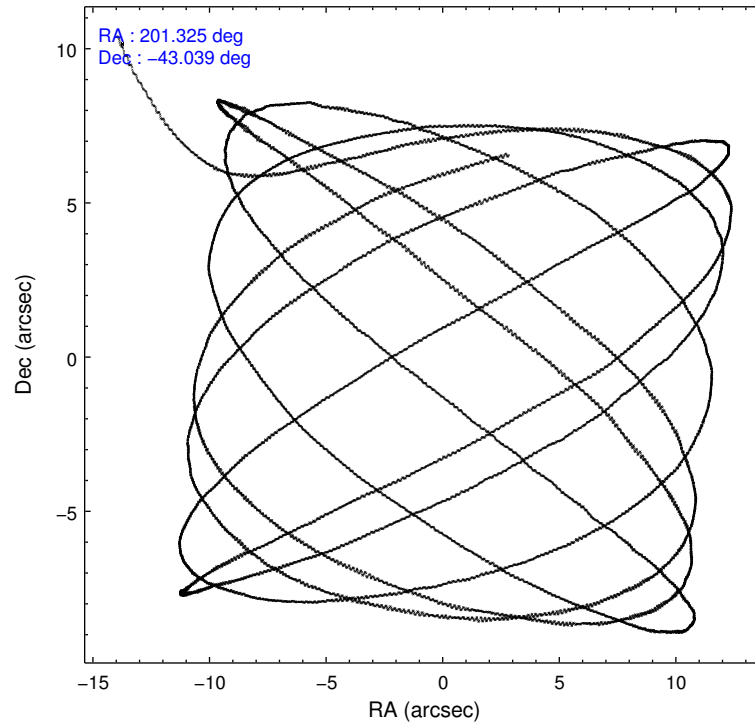
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
level 1 events	28541	28455	33759	37139	30779
rejected events	24016	24013	29167	26047	27028
rejected %	84%	84%	86%	70%	87%

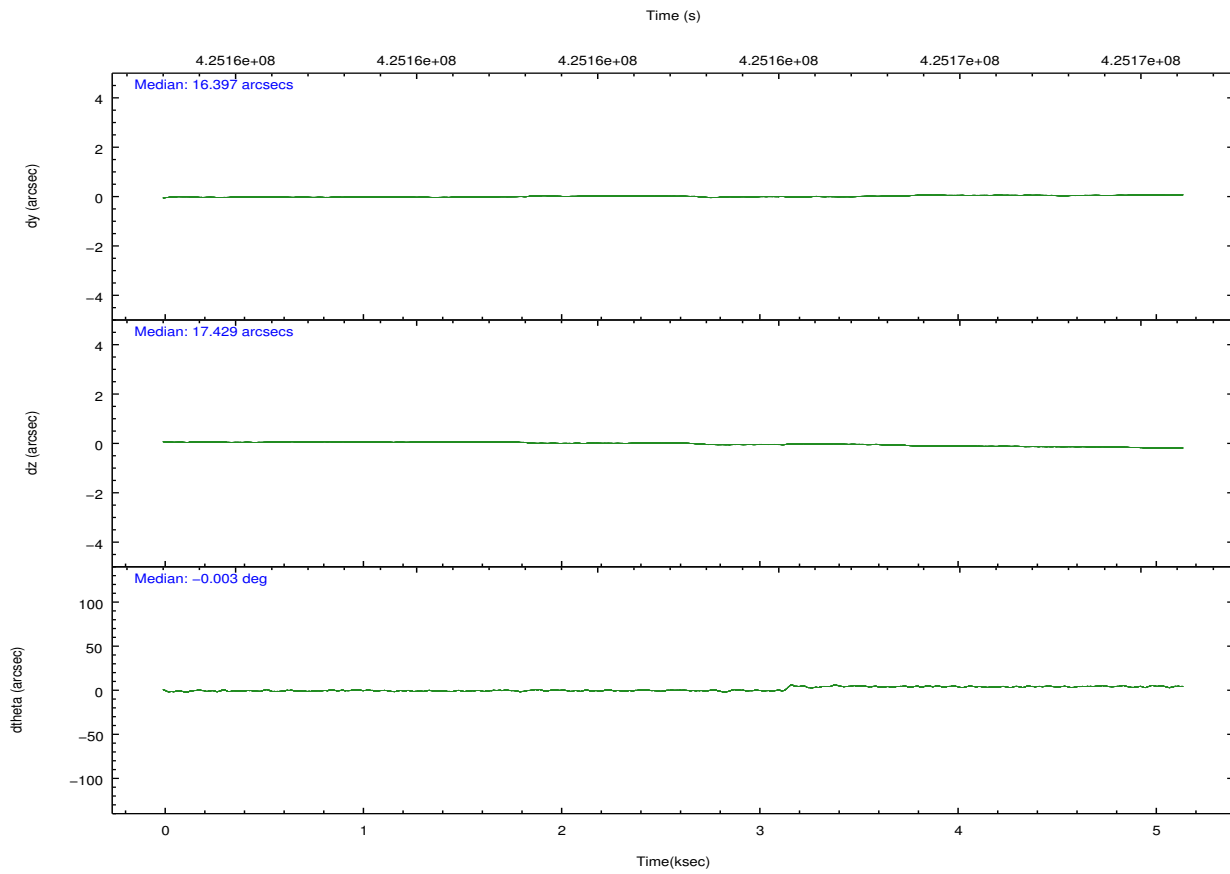
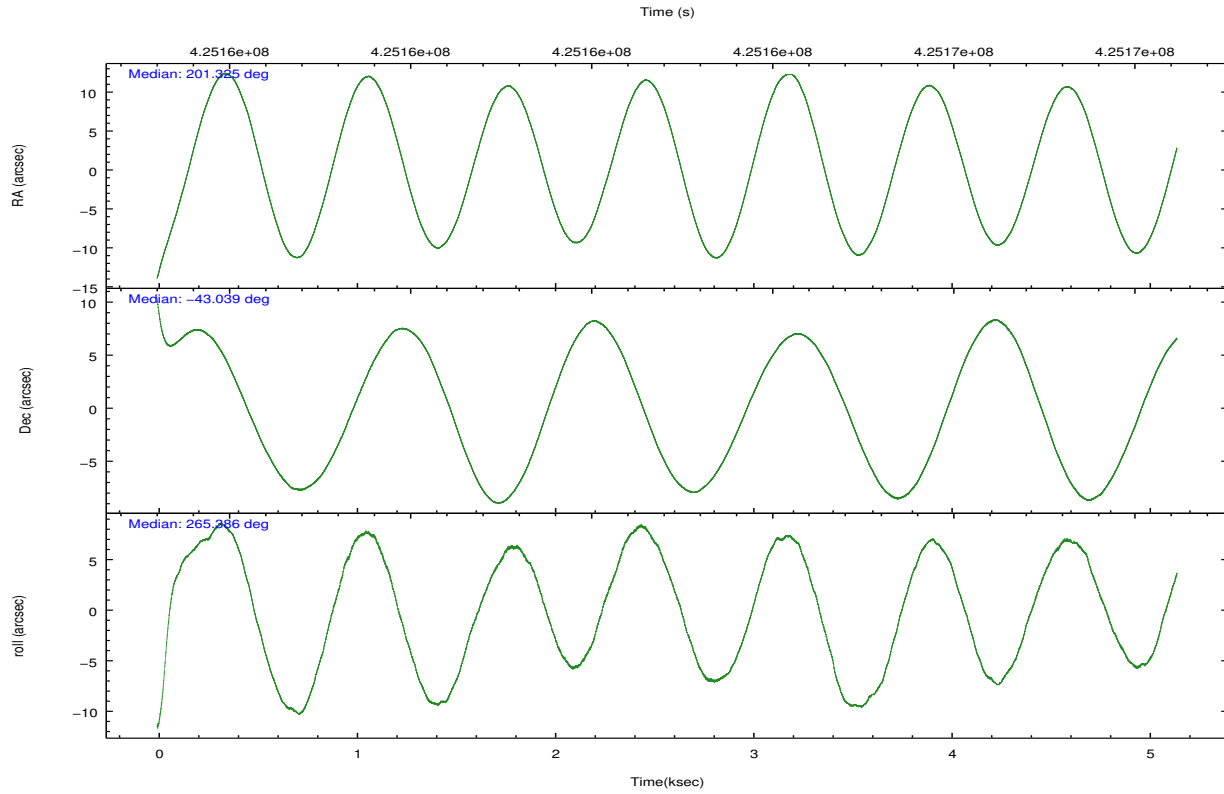
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6
grade 0 events	2087	1846	2173	6574	1409
	7%	6%	6%	17%	4%
grade 1 events	24	17	15	177	15
	0%	0%	0%	0%	0%
grade 2 events	931	947	948	1835	863
	3%	3%	2%	4%	2%
grade 3 events	410	404	376	680	370
	1%	1%	1%	1%	1%
grade 4 events	394	411	388	705	351
	1%	1%	1%	1%	1%
grade 5 events	1277	1417	1282	1708	1394
	4%	4%	3%	4%	4%
grade 6 events	706	836	709	1313	767
	2%	2%	2%	3%	2%
grade 7 events	22712	22577	27868	24147	25610
	79%	79%	82%	65%	83%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-01236	ACIS-01236	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	201.309284	201.3255154795012	Subarray requested	NONE	NONE
[deg] Pointing Dec	-43.014791	-43.03954074246987	Alternating exposures requested	N	N
[deg] Pointing Roll	265.169855	265.3895897617208	[s] Primary exposure time	0.000000	3.1
[mm] SIM focus pos	-0.782348	-0.7809083437167272			
[mm] SIM defocus	0	0.001439871863259334			
[mm] SIM translation stage pos	-233.592463	-233.5874344608287			
[mm] SIM translation stage offset	0	-0.005018542100998502			
[s] Observation start time (MET)	425161991.184000	425160734.83425			
Observation start date	2011-06-22T20:32:05	2011-06-22T20:12:14			
[s] Observation end time (MET)	425166991.184000	425167504.4471			
Observation end date	2011-06-22T21:55:25	2011-06-22T22:05:04			
Read mode	TIMED	TIMED			

2.3 Aspect



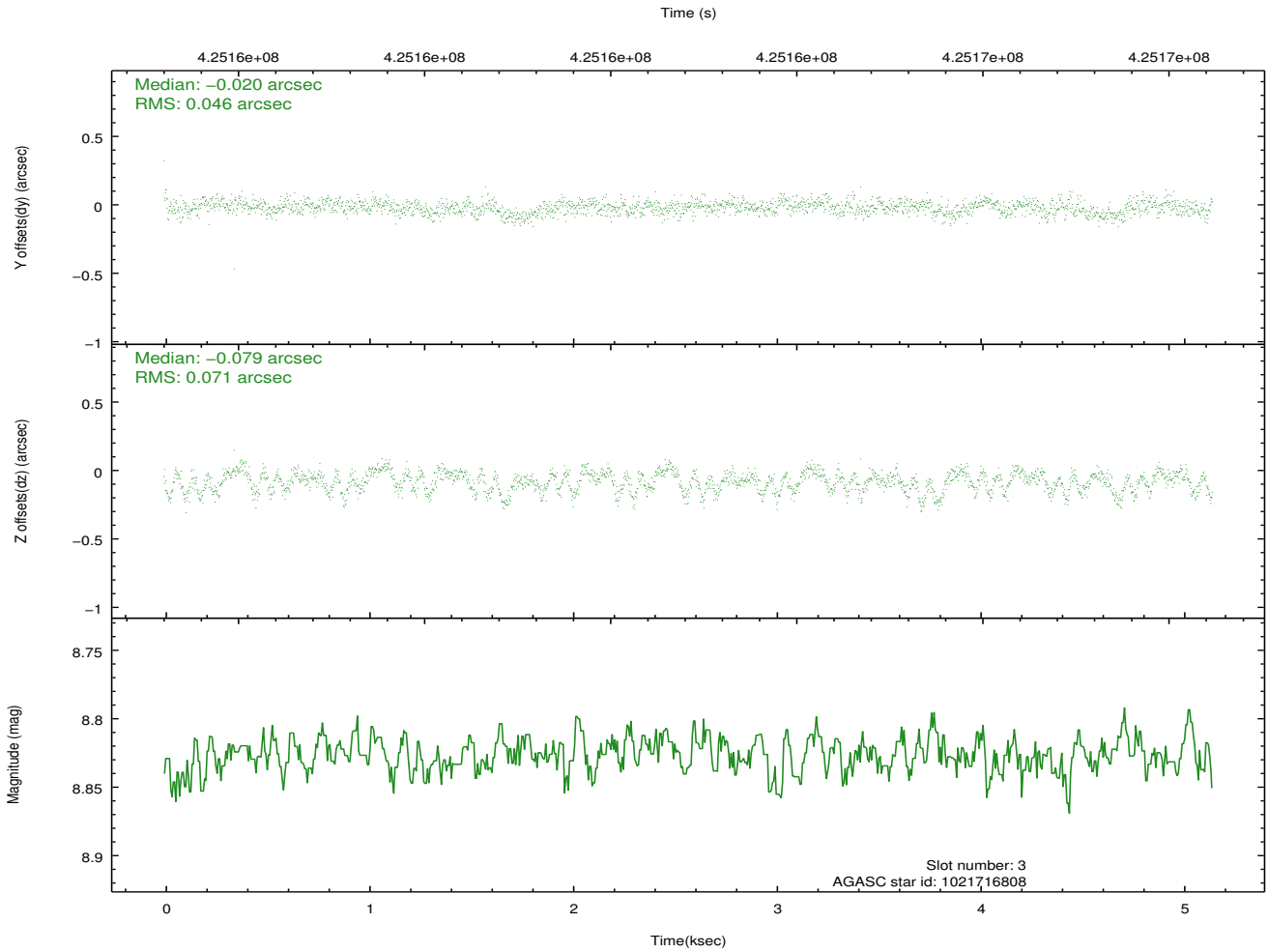
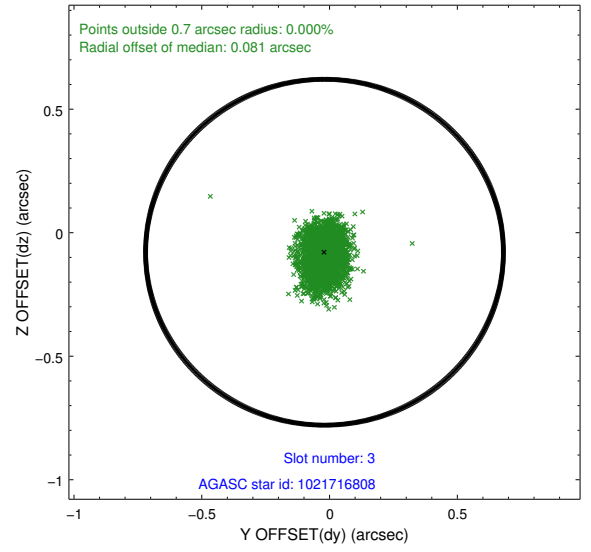
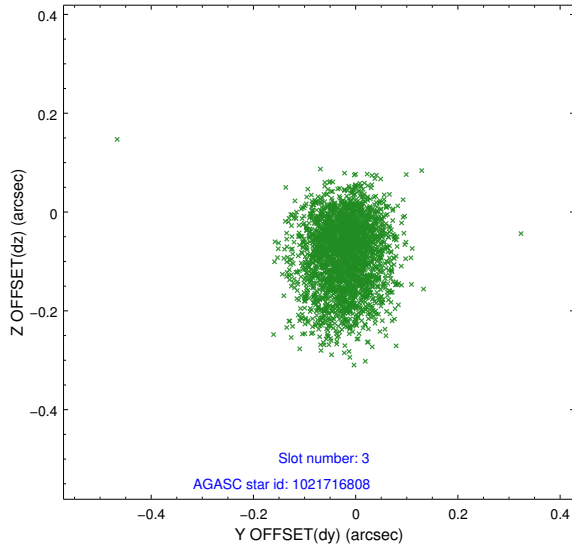


Slot Statistics

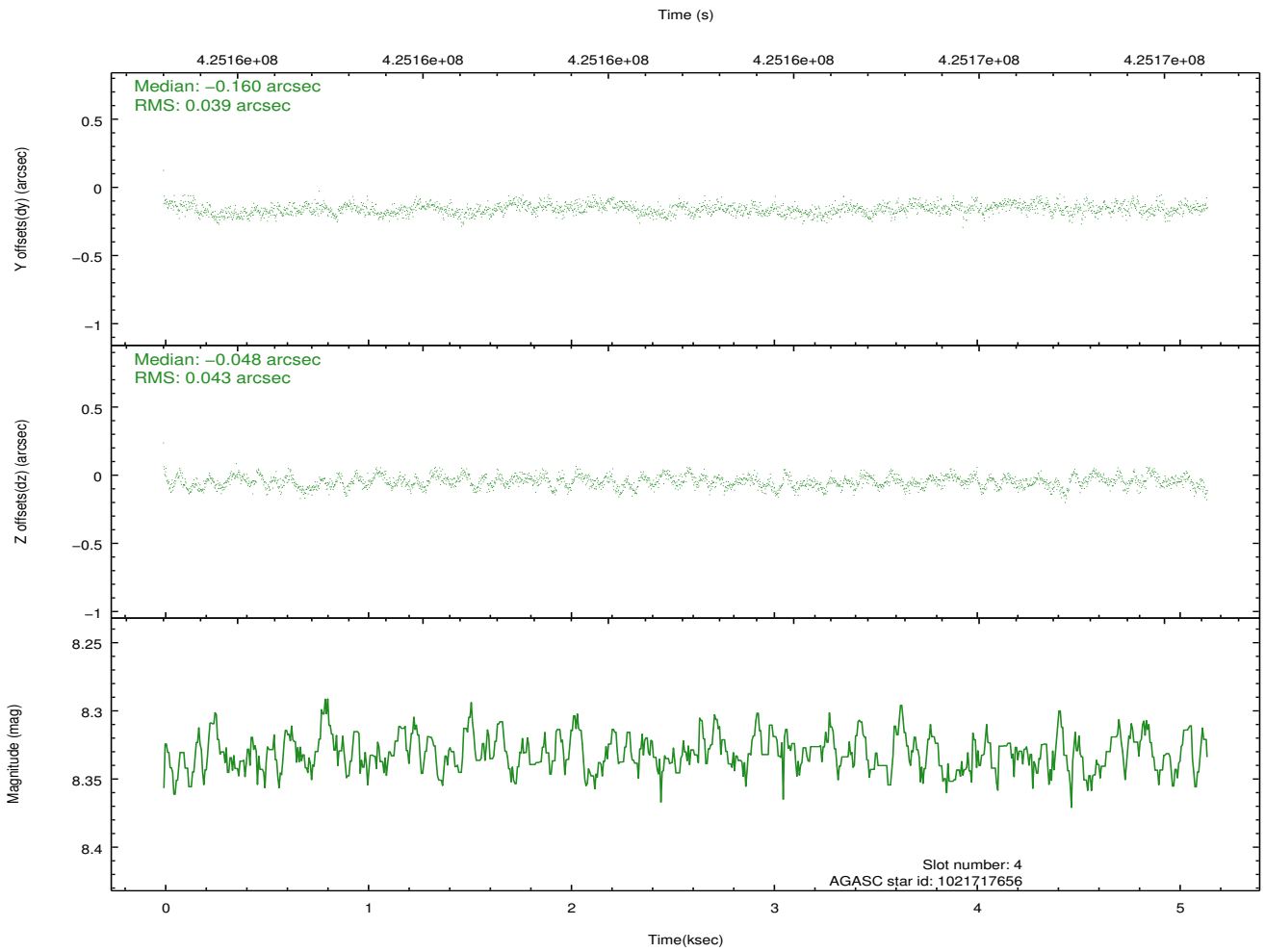
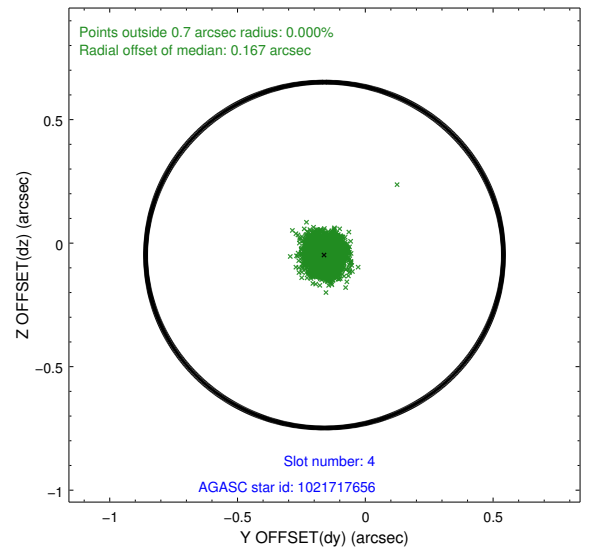
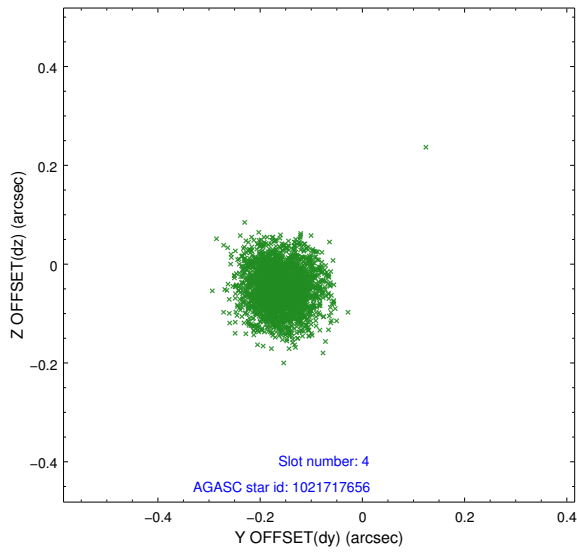
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	1255	-0.030	-0.058	0.036	0.052	0.000000	0.000000	923.00	-841.10
1	FID	ACIS-I-4	6.99	1254	0.140	0.080	0.030	0.043	0.000000	0.000000	2143.84	1058.24
2	FID	ACIS-I-5	7.05	1255	-0.206	0.048	0.017	0.027	0.000000	0.000000	-1823.70	1057.36
3	GUIDE	1021716808	8.83	2510	-0.020	-0.079	0.089	0.146	200.901189	-42.531395	-1639.52	-1225.28
4	GUIDE	1021717656	8.33	2510	-0.160	-0.048	0.062	0.098	201.139642	-43.082878	281.99	-424.06
5	GUIDE	1021719704	7.58	2511	-0.007	-0.018	0.071	0.117	200.511976	-43.050426	315.26	-2078.13
6	GUIDE	1021721672	9.54	2499	-0.233	0.056	0.100	0.167	201.740358	-43.079729	140.83	1148.76
7	GUIDE	1022235840	9.43	2505	0.421	0.091	0.097	0.154	201.679306	-43.544276	1821.14	1123.76

2.4 Star Slots

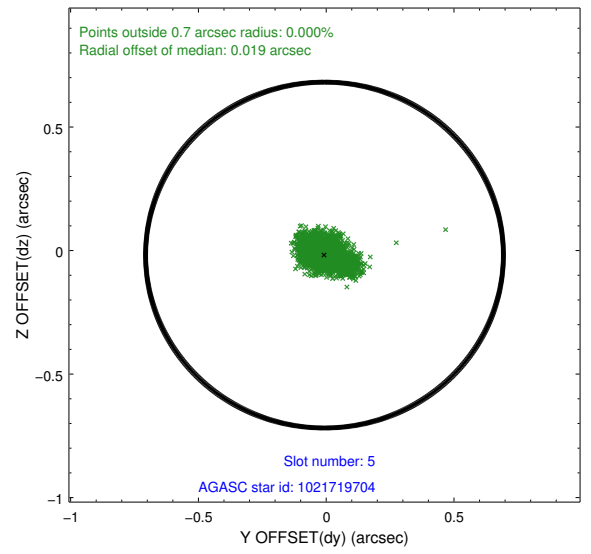
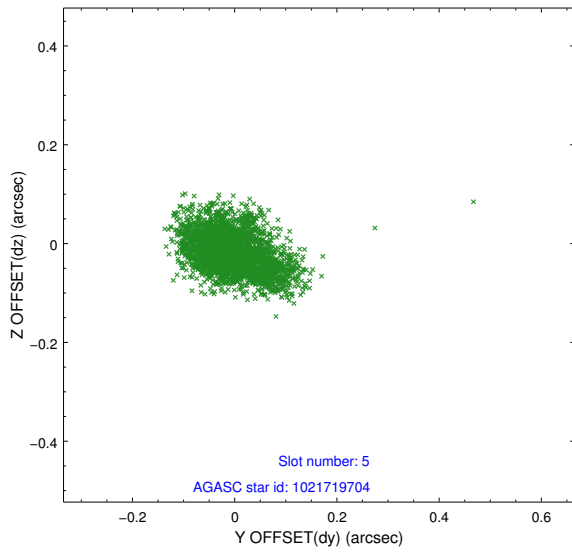
2.4.1 Slot 3



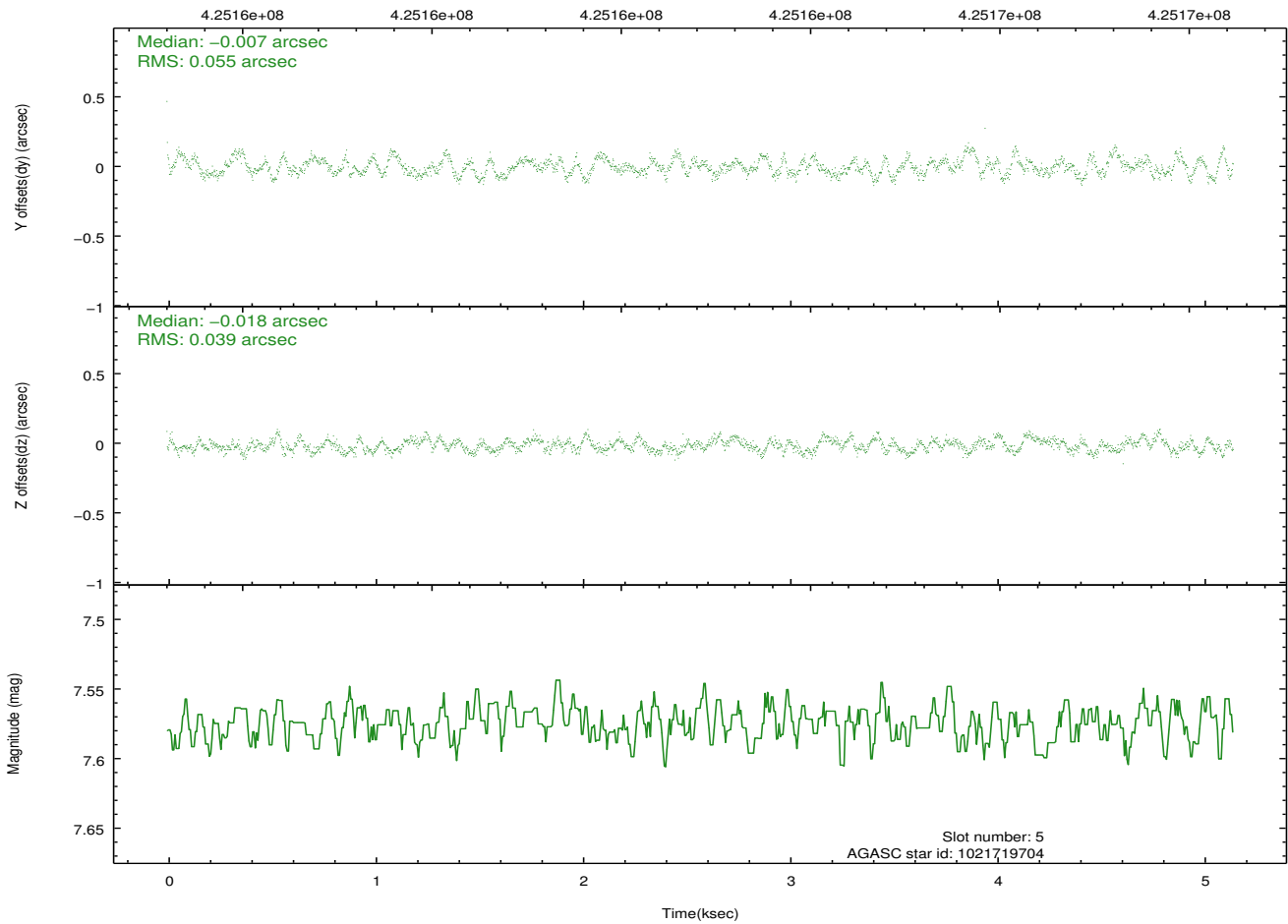
2.4.2 Slot 4



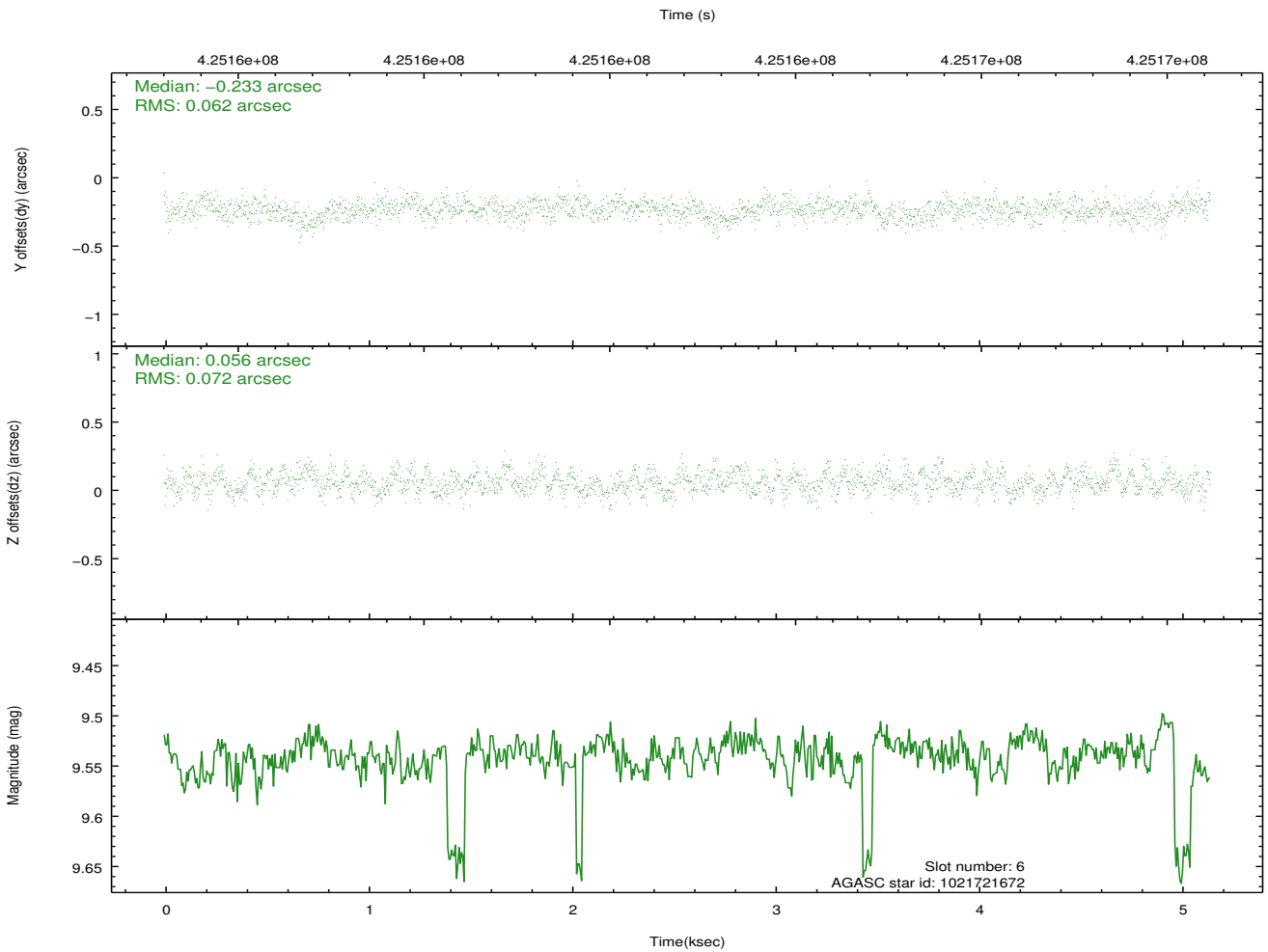
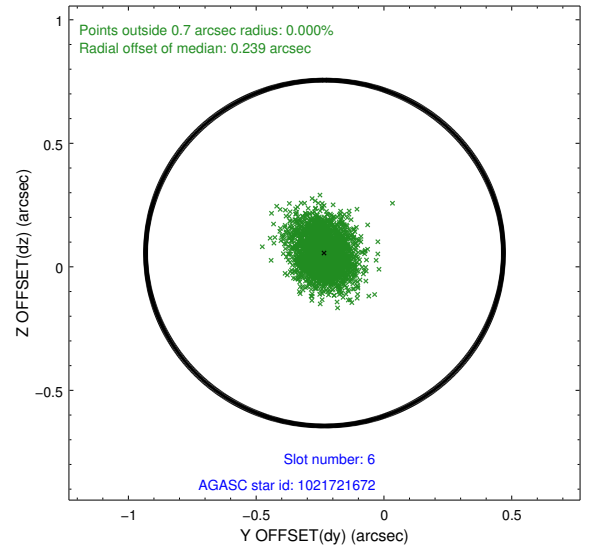
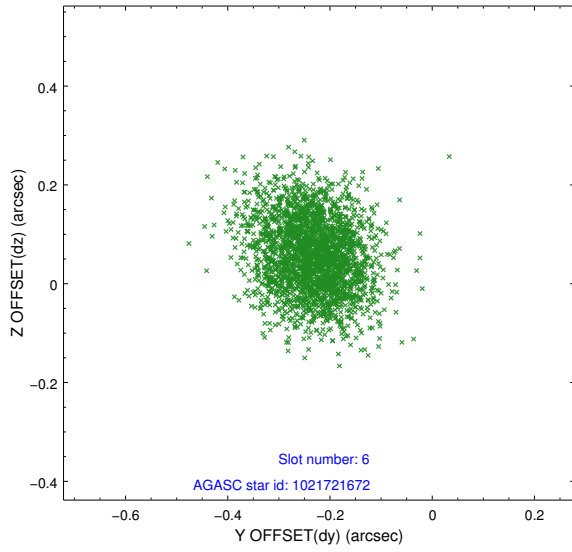
2.4.3 Slot 5



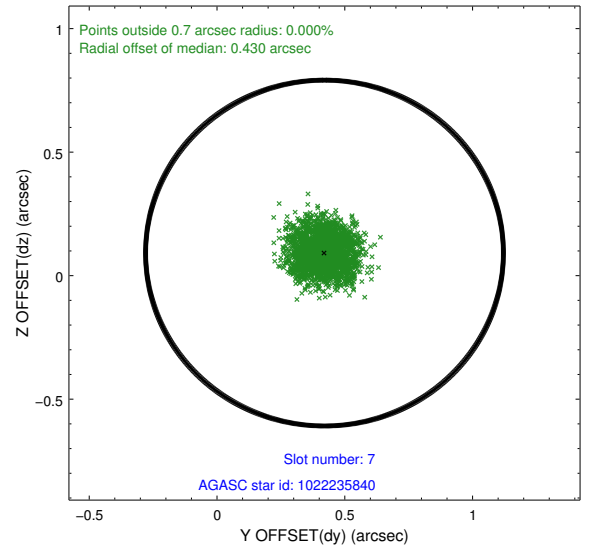
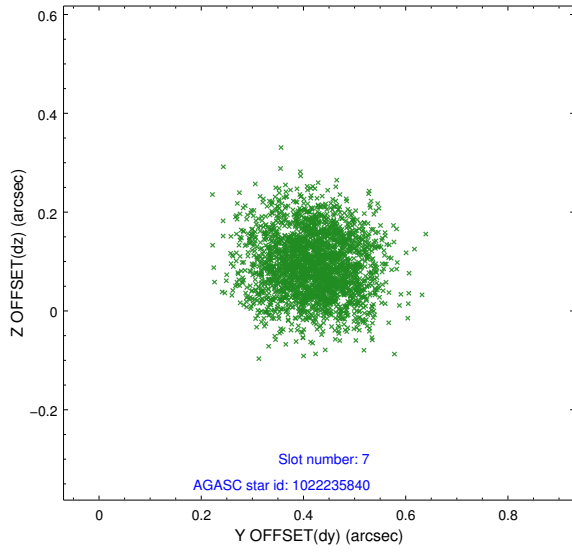
Time (s)



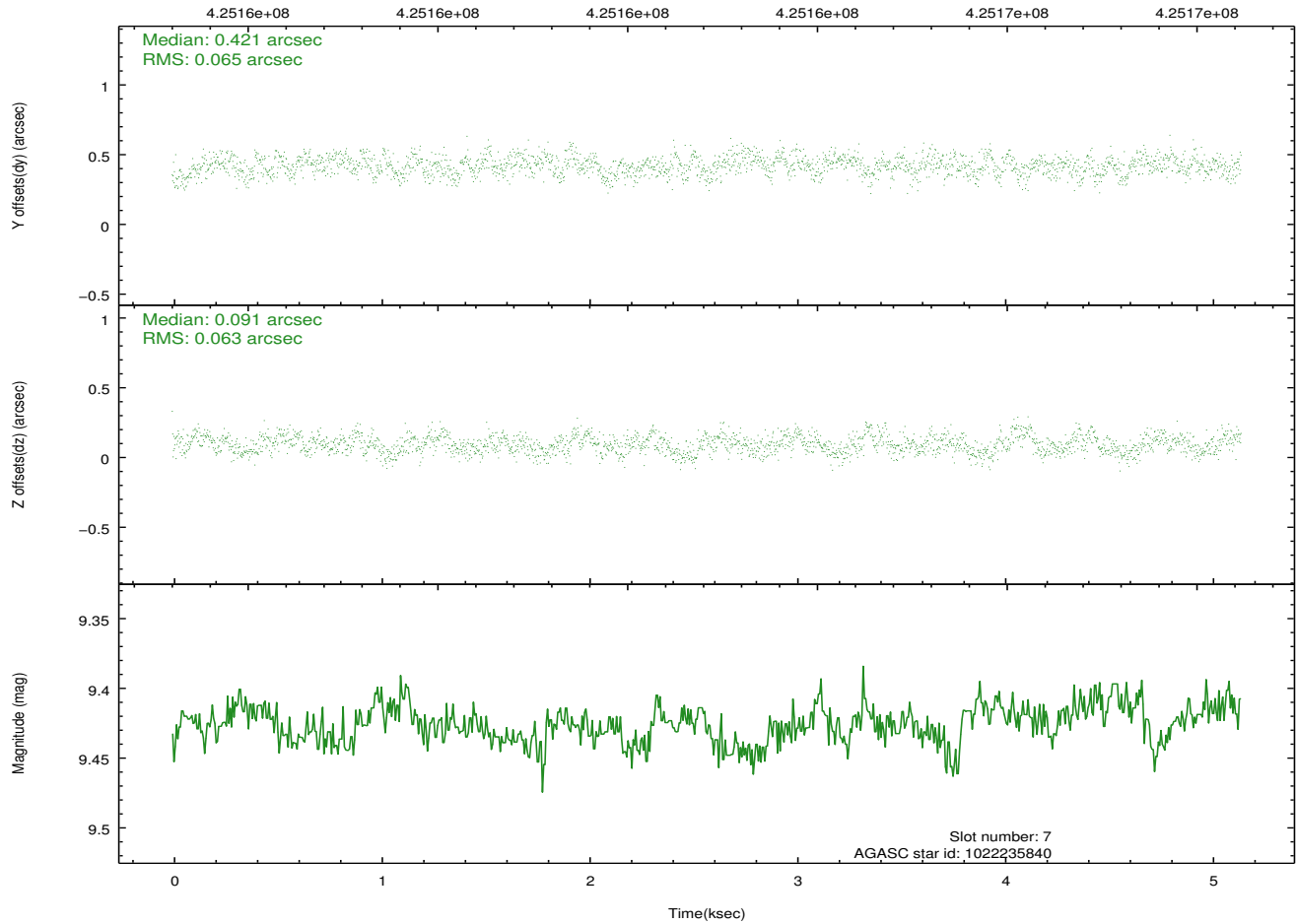
2.4.4 Slot 6



2.4.5 Slot 7

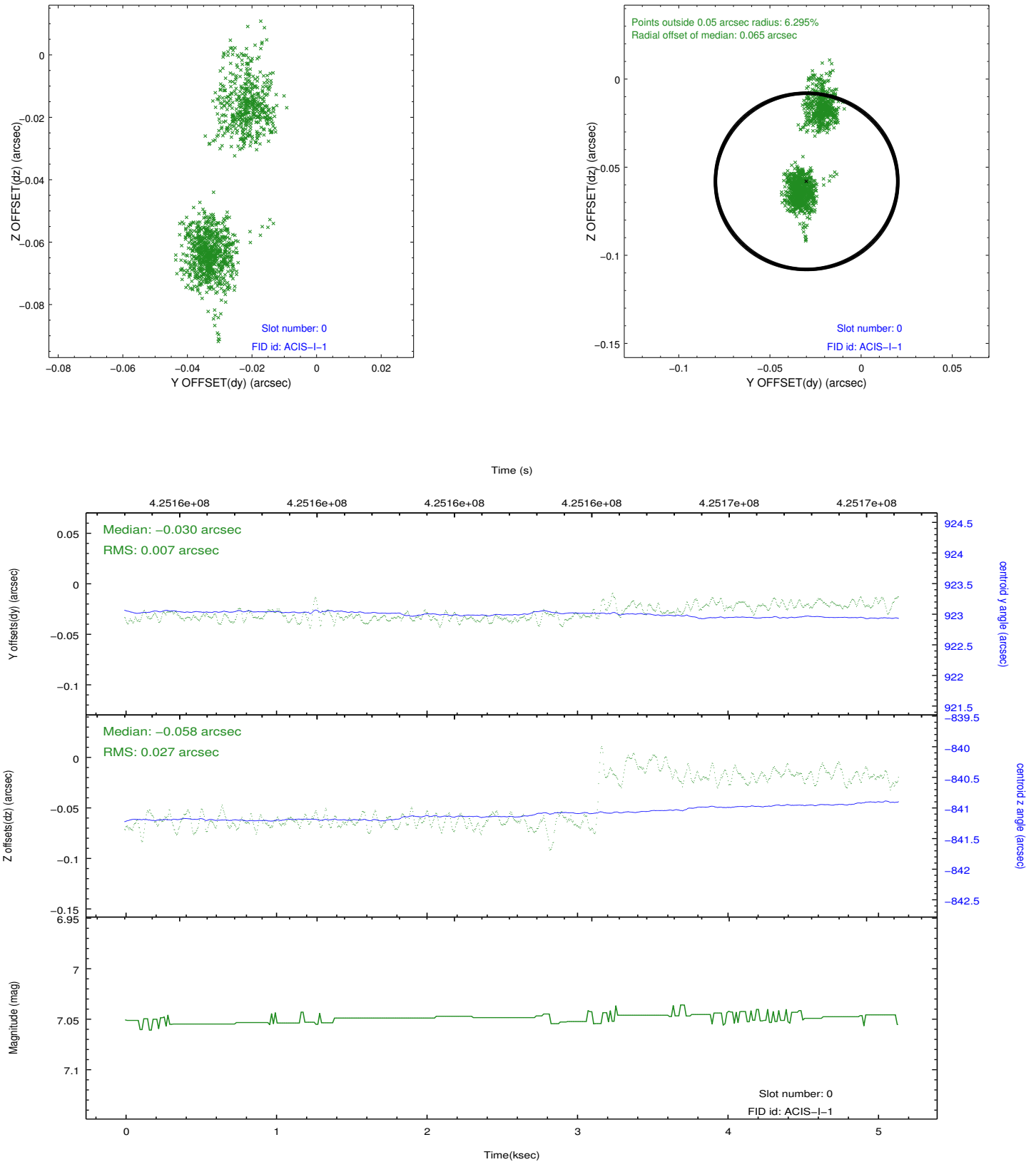


Time (s)

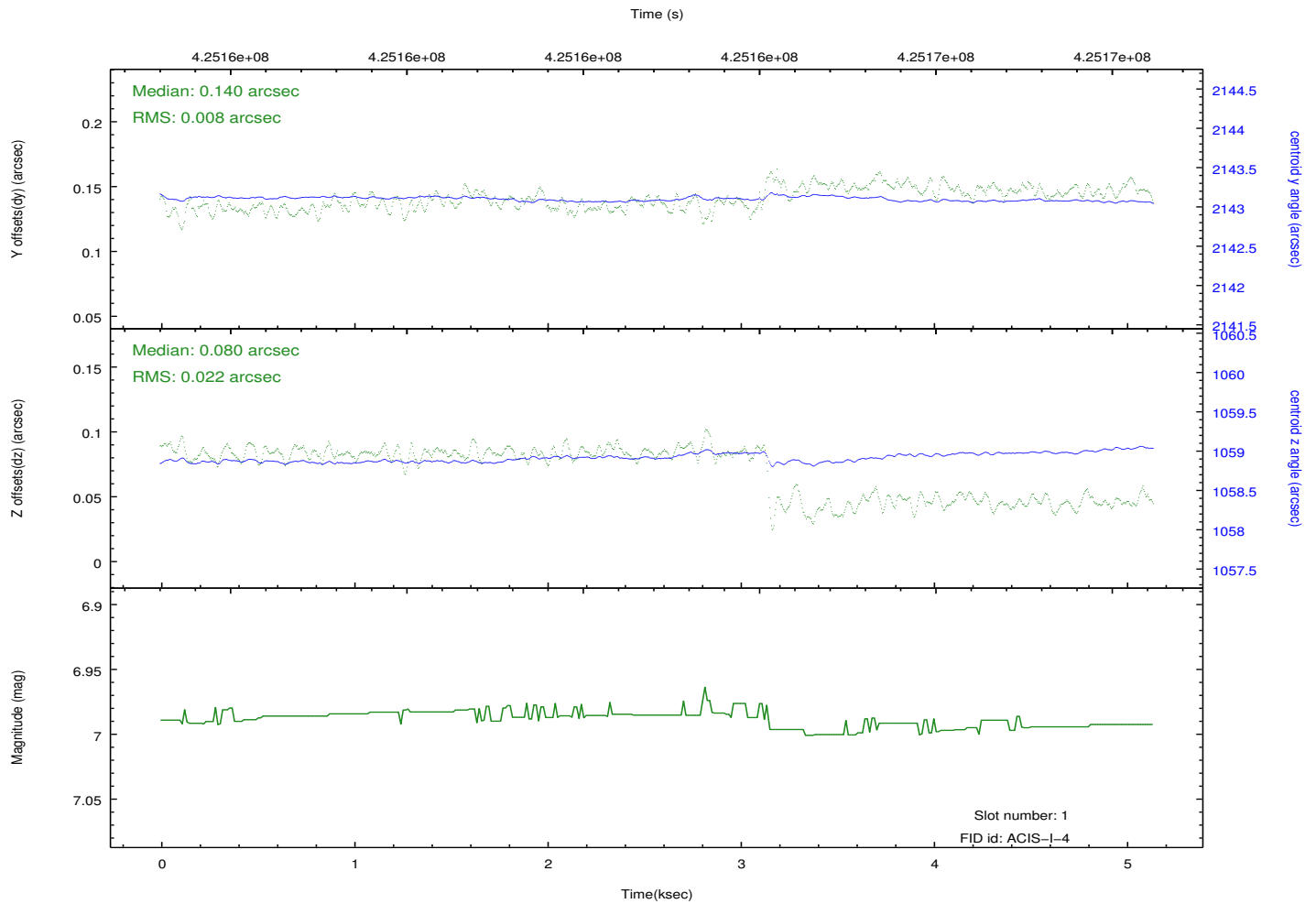
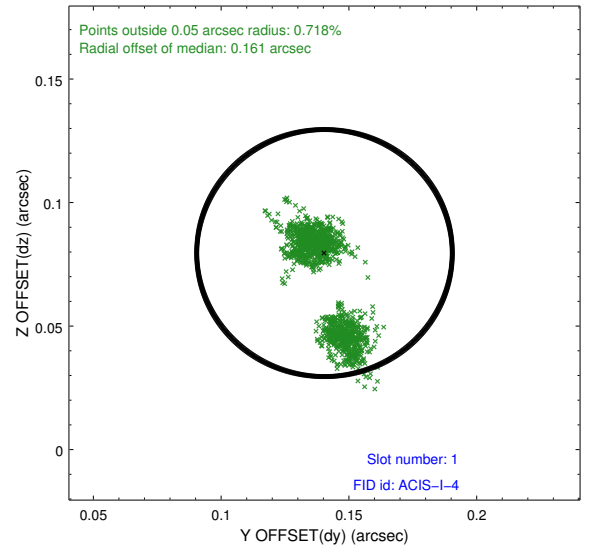
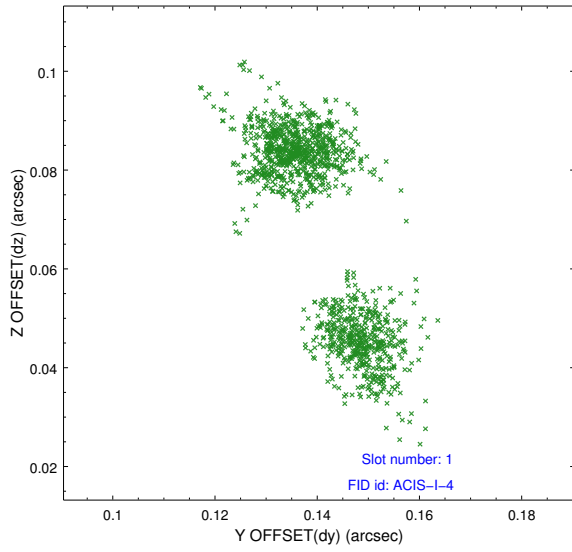


2.5 FID Slots

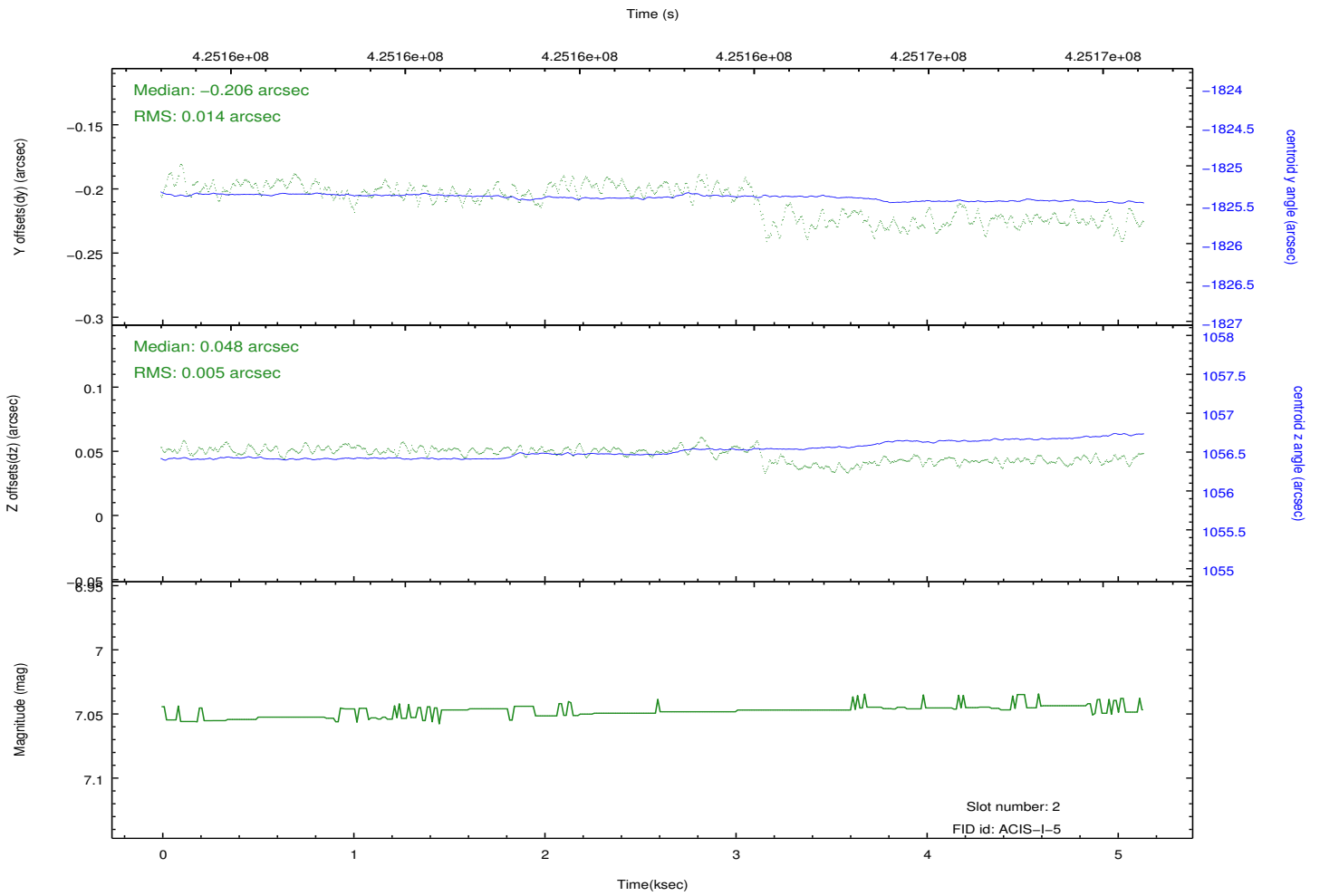
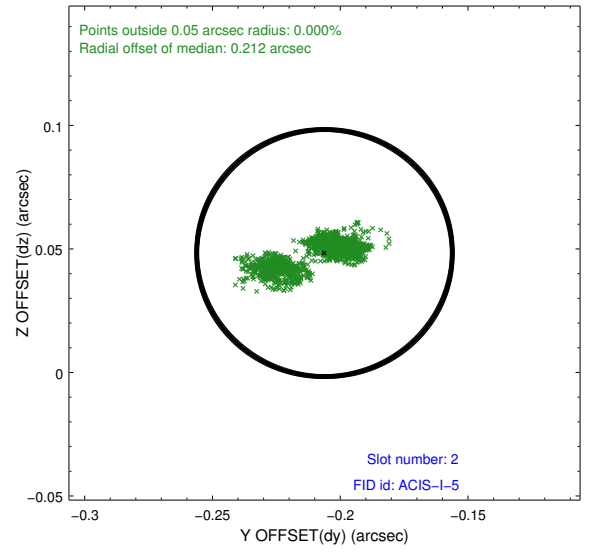
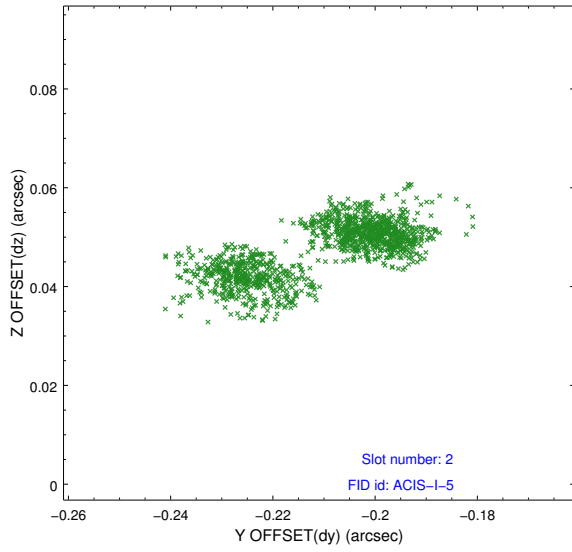
2.5.1 Slot 0



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)	2012.02.14
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	5.0592000389099

A.2 Comments