

V&V Reference Report

L2 ASCDS Version : 8.4.4

Observation 9013 - L2 Version 2
Chandra X-Ray Center

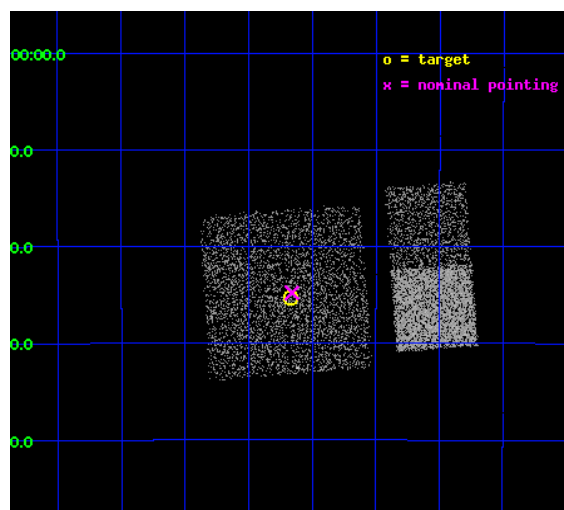
L2 Processing Date : May 13 2012

Contents

1	Front	2
2	OBI	3
2.1	OBI	3
2.1.1	Images	3
2.1.2	Bias	3
2.1.3	Parameters	4
2.1.4	Events	4
2.2	Compared Parameters	5
2.3	Aspect	6
2.4	Star Slots	9
2.4.1	Slot 3	9
2.4.2	Slot 4	10
2.4.3	Slot 5	11
2.4.4	Slot 6	12
2.4.5	Slot 7	13
2.5	FID Slots	14
2.5.1	Slot 0	14
2.5.2	Slot 1	15
2.5.3	Slot 2	16
A	Summary	17
A.1	Status	17
A.2	Comments	17

1 Front

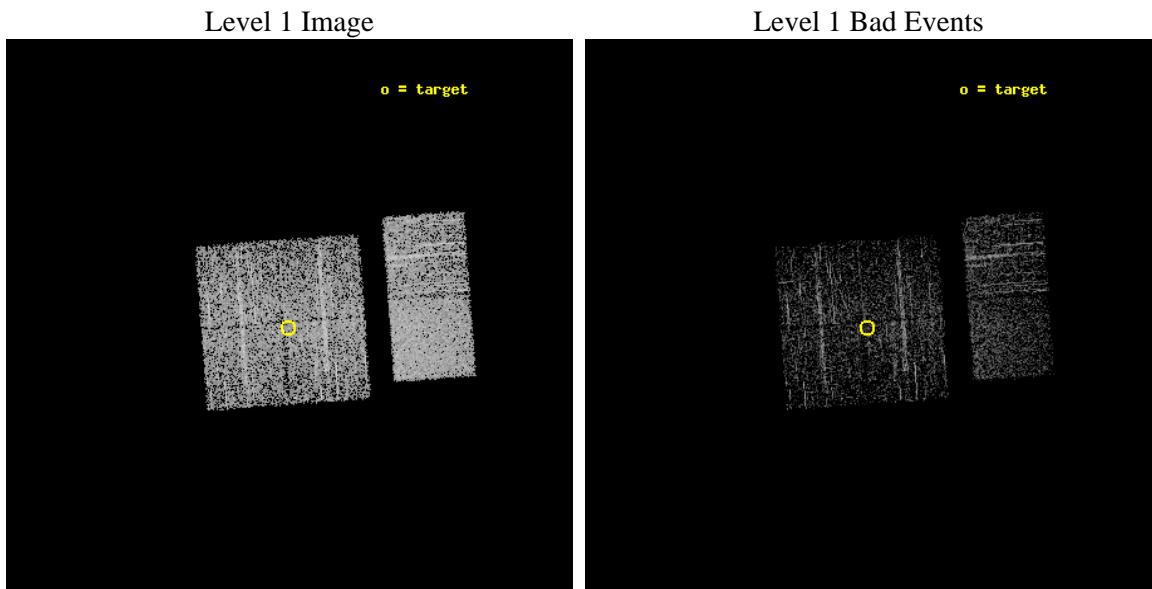
seq_num	400864	Sequence number
obs_id	9013	Observation id
title	Chandra observations of an enigmatic class of faint accreting slow pulsators	Proposal title
observer	Dr. Rudy Wijnands	Principal investigator
object	AX J1749.2-2725	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	267.292083	Observer's specified target RA [deg]
dec_targ	-27.421111	Observer's specified target Dec [deg]
ra_nom	267.29006803676	Nominal RA [deg]
dec_nom	-27.413277848744	Nominal Dec [deg]
roll_nom	85.712841041521	Nominal Roll [deg]
revision	2	Processing version of data
ontime	1180.7999956608	Sum of GTIs [s]
livetime	1165.8479951233	Livetime [s]
ontime0	1180.7999956608	Sum of GTIs [s]
ontime1	1180.7999956608	Sum of GTIs [s]
ontime2	1180.7999956608	Sum of GTIs [s]
ontime3	1180.7999956608	Sum of GTIs [s]
ontime6	1180.7999956608	Sum of GTIs [s]
ontime7	1180.7999956608	Sum of GTIs [s]
l2events	13213	Number of level 2 events



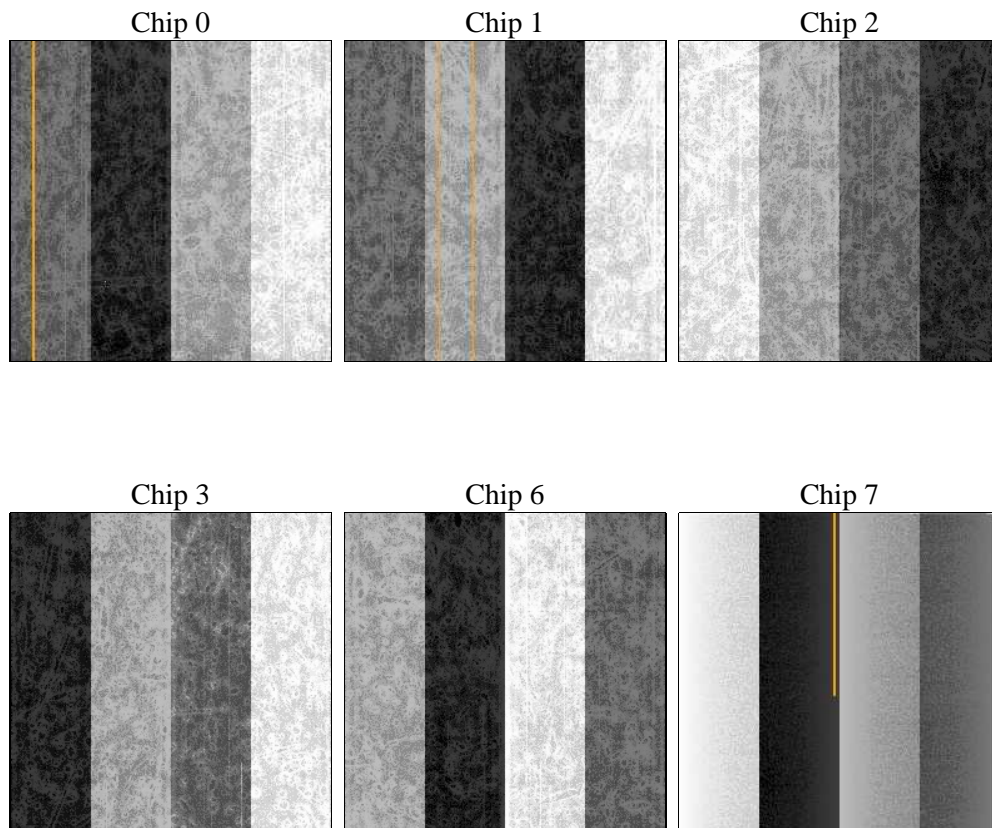
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.4	Processing system revision	ontime	1180.7999956608	Sum of GTIs [s]
caldsver	4.4.9	 	ontime0	1180.7999956608	Sum of GTIs [s]
date	2012-05-13T12:39:03	Date and time of file creation	ontime1	1180.7999956608	Sum of GTIs [s]
revision	2	Processing version of data	ontime2	1180.7999956608	Sum of GTIs [s]
			ontime3	1180.7999956608	Sum of GTIs [s]
			ontime6	1180.7999956608	Sum of GTIs [s]
			ontime7	1180.7999956608	Sum of GTIs [s]
			l1events	143251	Number of level 1 events

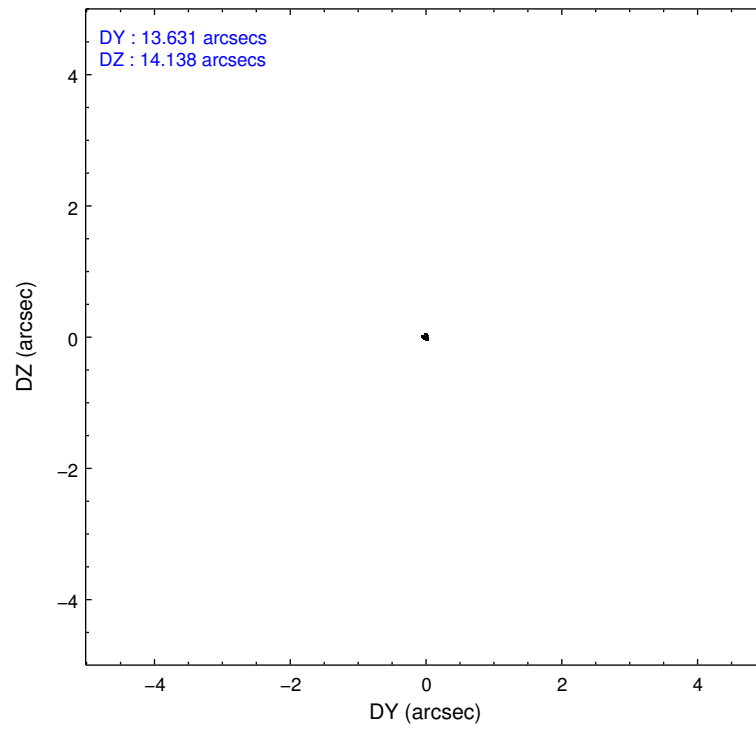
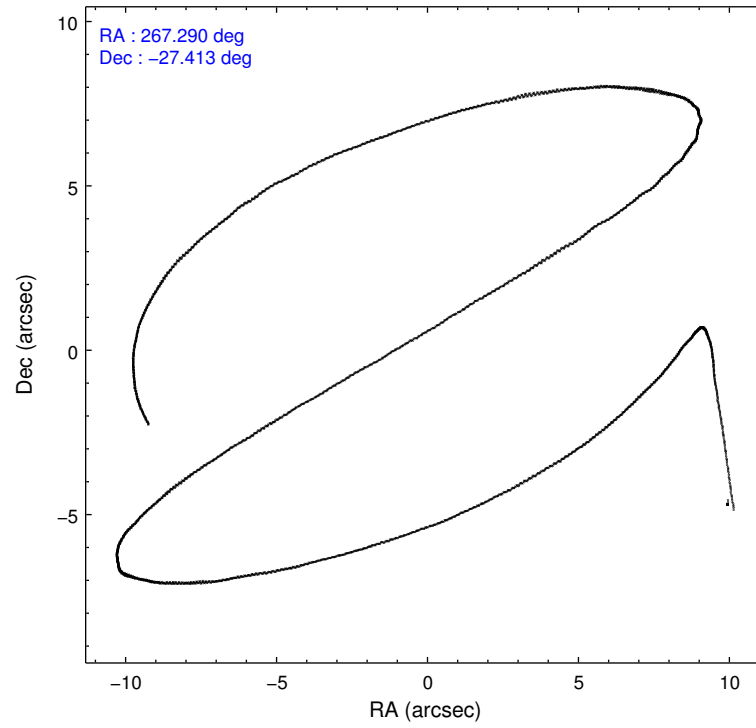
2.1.4 Events

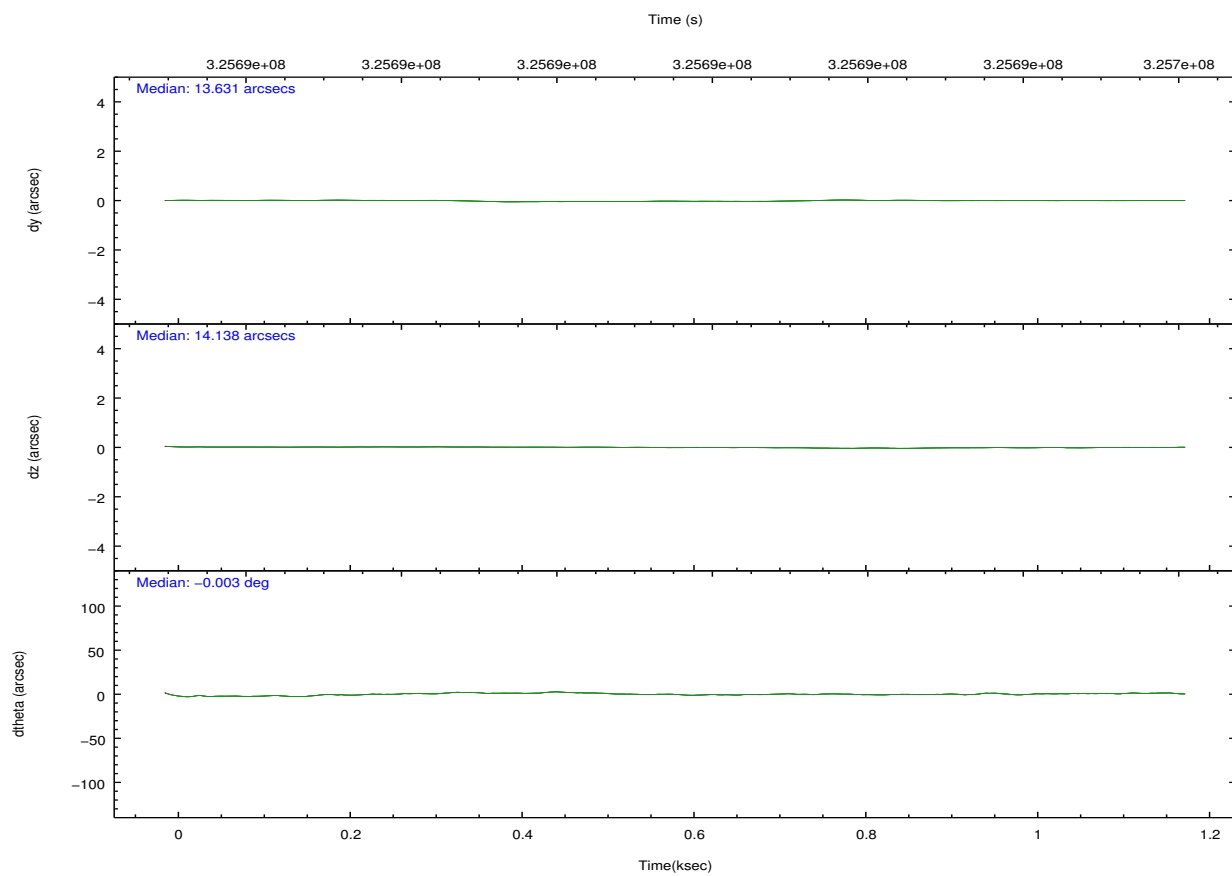
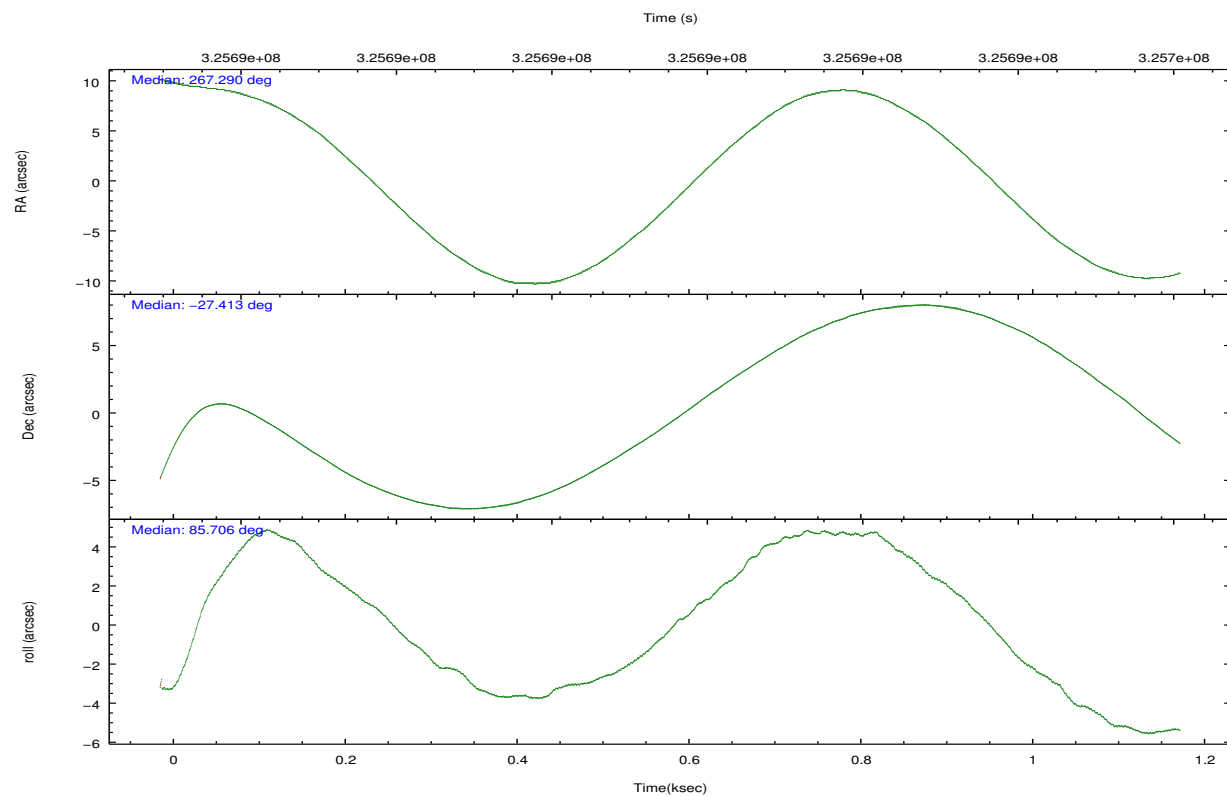
	ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7		ccd 0	ccd 1	ccd 2	ccd 3	ccd 6	ccd 7
level 1 events	20904	19892	20443	21506	26031	34475	grade 0 events	1296	1326	1311	1507	2705	1636
rejected events	19365	18249	19070	19945	24403	27835		6%	6%	6%	7%	10%	4%
rejected %	92%	91%	93%	92%	93%	80%	grade 1 events	13	13	18	20	111	61
								0%	0%	0%	0%	0%	0%
							grade 2 events	654	734	601	577	933	3376
								3%	3%	2%	2%	3%	9%
							grade 3 events	251	268	257	291	403	1493
								1%	1%	1%	1%	1%	4%
							grade 4 events	268	278	282	273	404	1424
								1%	1%	1%	1%	1%	4%
							grade 5 events	944	963	891	1025	1172	3169
								4%	4%	4%	4%	4%	9%
							grade 6 events	497	579	454	468	747	8039
								2%	2%	2%	2%	2%	23%
							grade 7 events	16981	15731	16629	17345	19556	15277
								81%	79%	81%	80%	75%	44%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-012367	ACIS-012367	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	Y	Y
Observation mode	POINTING	POINTING	CCD I1 on	Y	Y
[deg] Pointing RA	267.303591	267.2900680367625	CCD I2 on	Y	Y
[deg] Pointing Dec	-27.437959	-27.41327784874386	CCD I3 on	Y	Y
[deg] Pointing Roll	85.510442	85.71284104152117	CCD S0 on	N	N
[mm] SIM focus pos	-0.782348	-0.7809083437167272	CCD S1 on	N	N
[mm] SIM defocus	0	0.001439871863259334	CCD S2 on	O1	Y
[mm] SIM translation stage pos	-233.592463	-233.5874344608287	CCD S3 on	O2	Y
[mm] SIM translation stage offset	0	-0.005018542100998502	CCD S4 on	N	N
[s] Observation start time (MET)	325693932.184000	325692279.27142	CCD S5 on	N	N
Observation start date	2008-04-27T14:31:07	2008-04-27T14:04:39	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	325694932.184000	325695498.28407	On-chip summing requested	N	N
Observation end date	2008-04-27T14:47:47	2008-04-27T14:58:18	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect



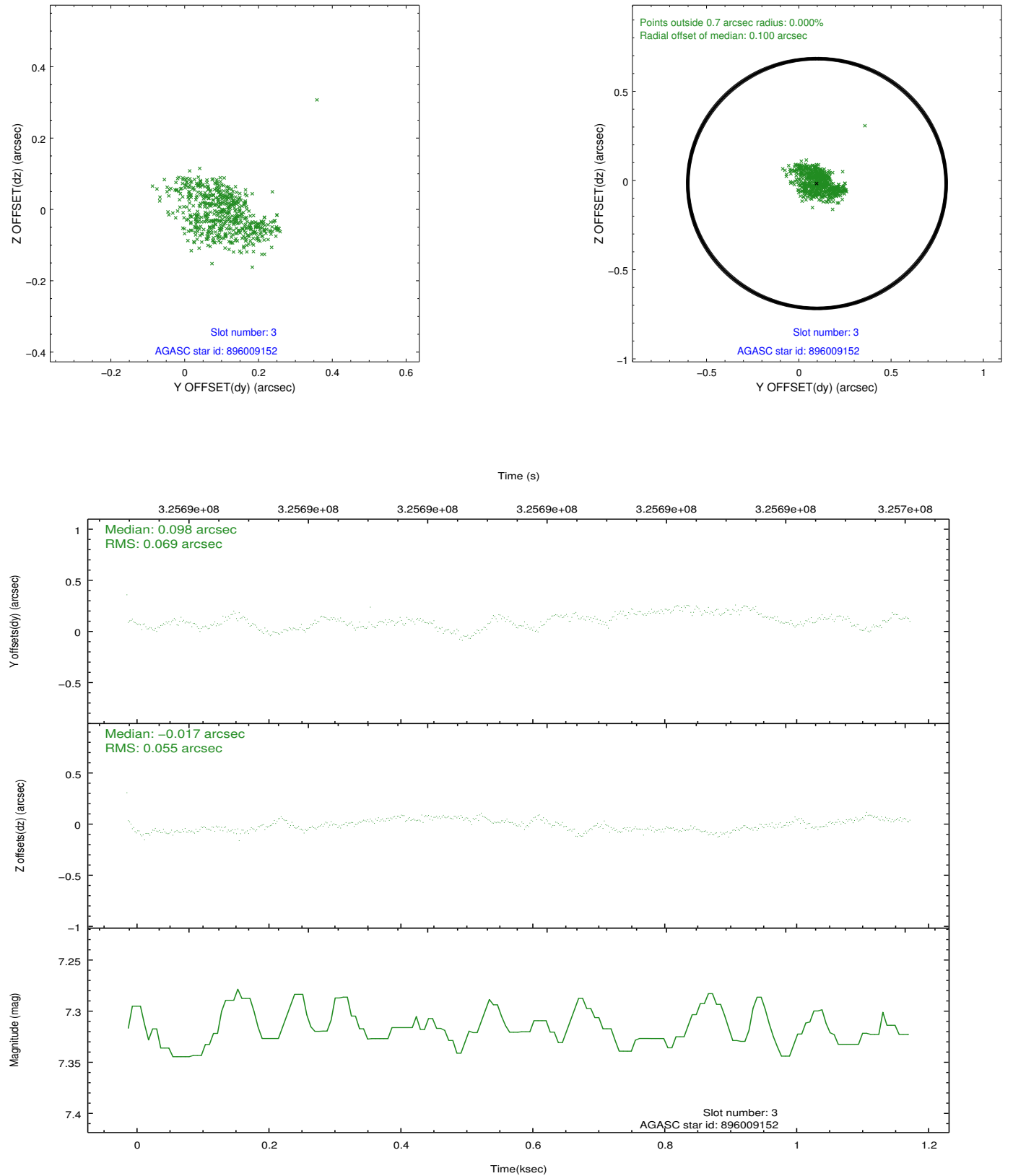


Slot Statistics

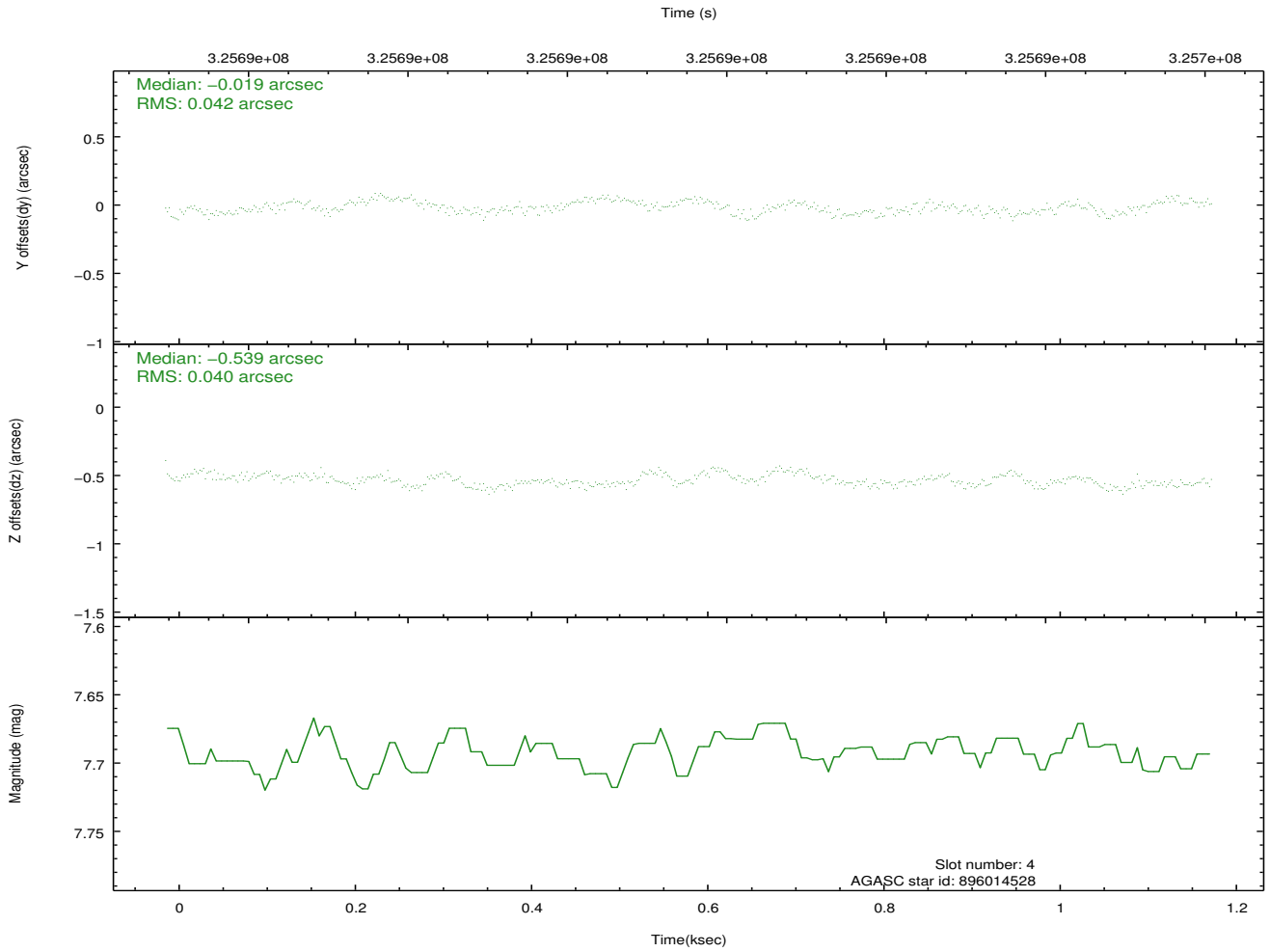
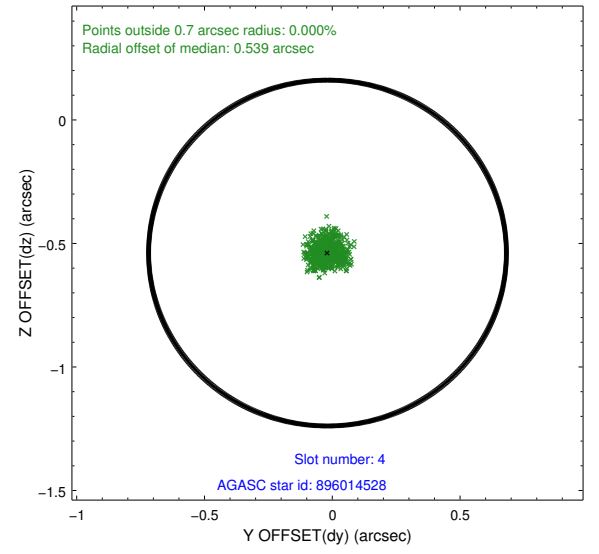
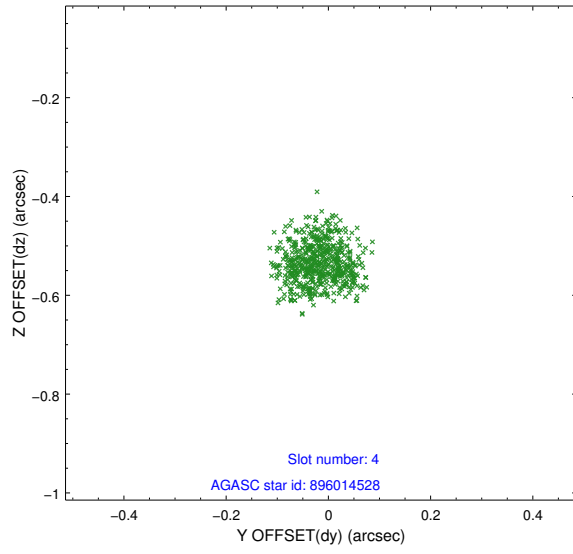
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-I-1	7.05	290	-0.015	0.038	0.016	0.028	0.000000	0.000000	925.87	-837.67
1	FID	ACIS-I-4	6.96	290	0.146	0.005	0.014	0.024	0.000000	0.000000	2149.16	1059.31
2	FID	ACIS-I-5	7.03	290	-0.229	0.029	0.011	0.022	0.000000	0.000000	-1815.15	1063.51
3	GUIDE	896009152	7.32	580	0.098	-0.017	0.095	0.151	267.588100	-27.061669	1421.08	-802.87
4	GUIDE	896014528	7.69	580	-0.019	-0.539	0.063	0.096	266.628858	-27.438607	-174.32	2146.80
5	GUIDE	897717296	8.26	580	-0.200	0.130	0.068	0.114	267.921819	-26.875322	2169.97	-1816.76
6	GUIDE	897712584	6.63	580	0.123	0.315	0.057	0.091	268.003029	-28.022394	-1925.31	-2384.07
7	GUIDE	897722680	8.87	579	-0.005	0.097	0.093	0.153	268.059296	-26.906681	2086.76	-2273.08

2.4 Star Slots

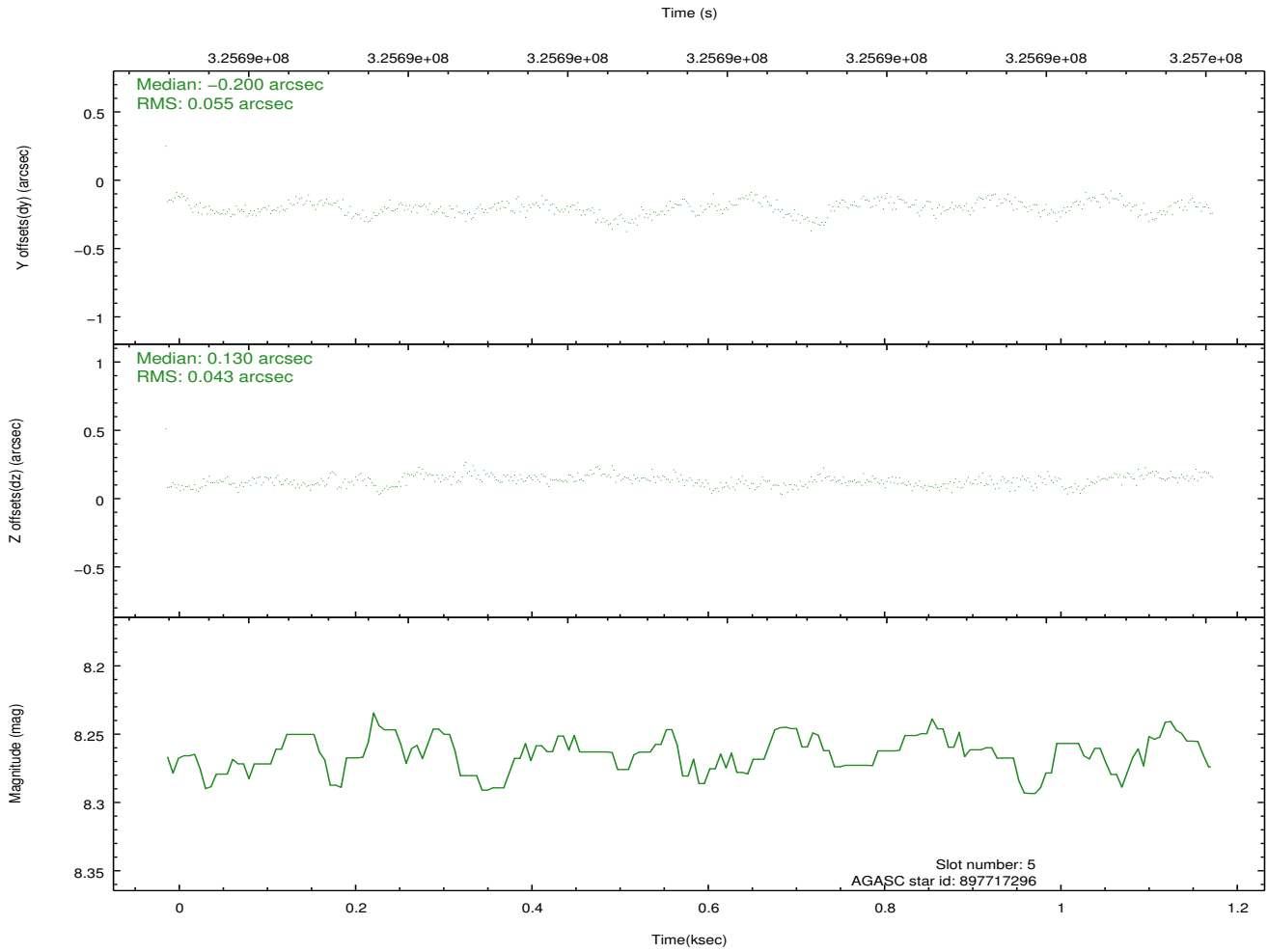
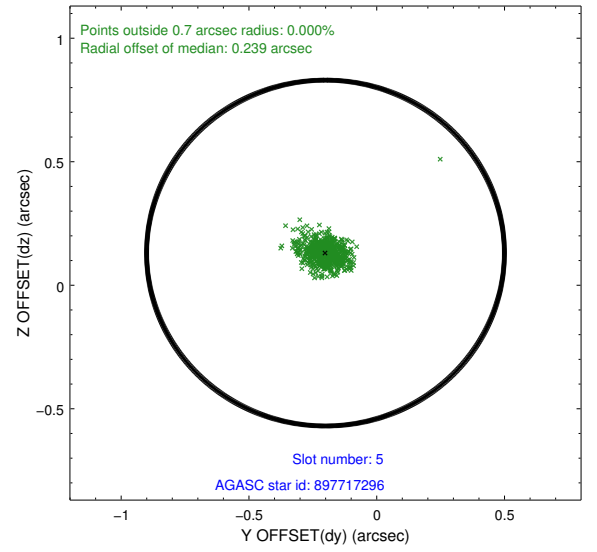
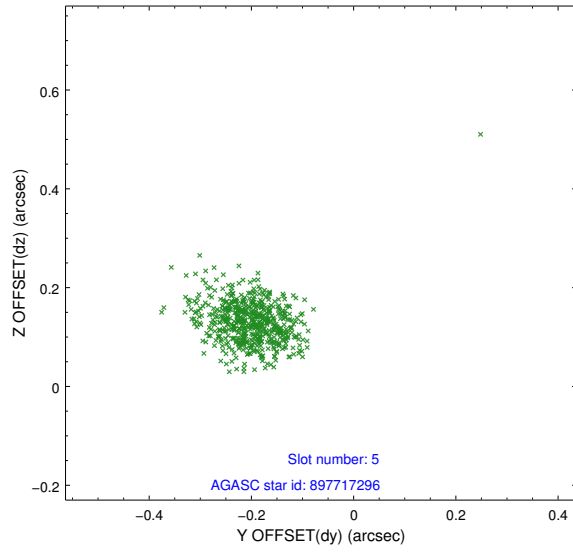
2.4.1 Slot 3



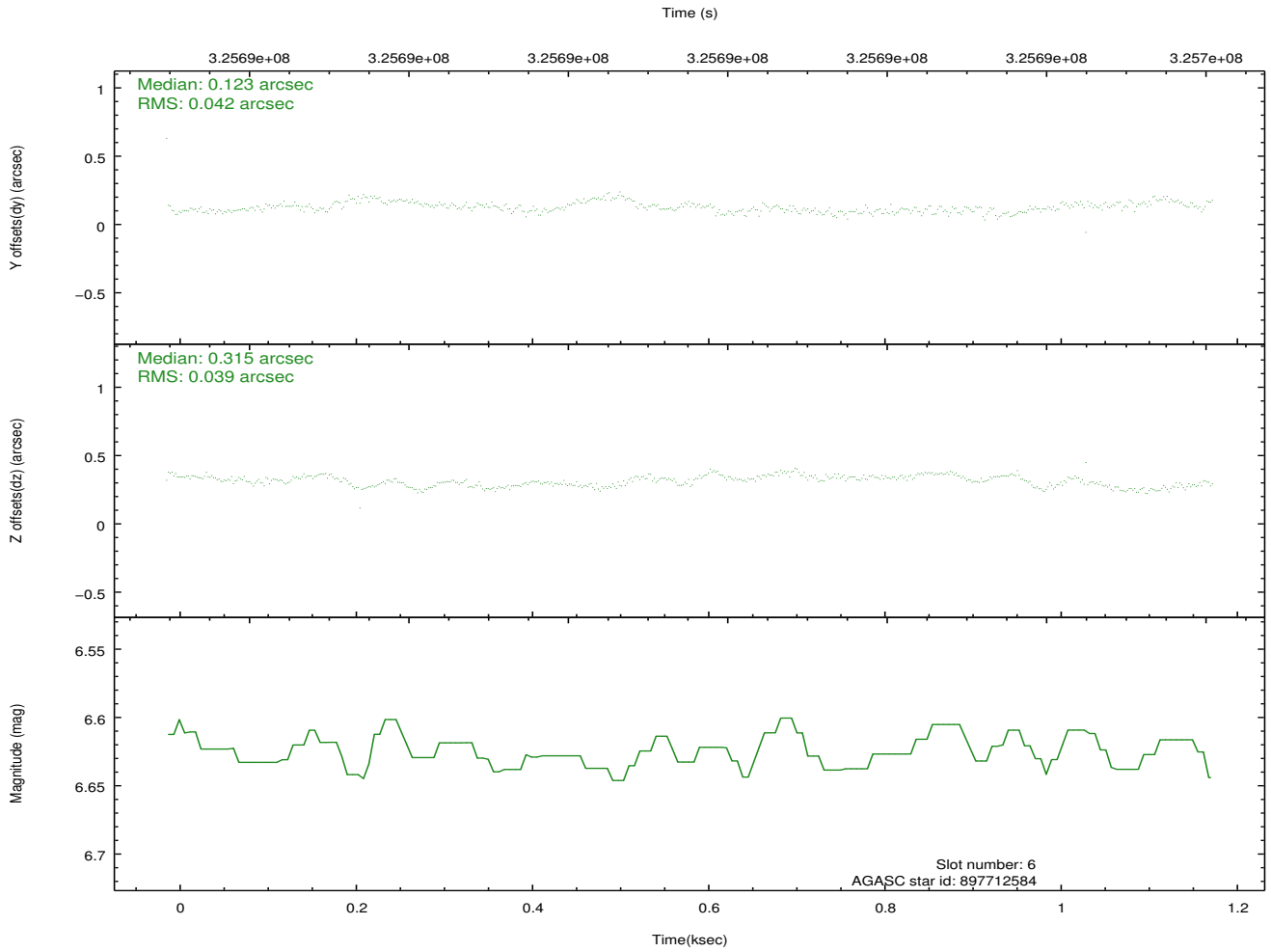
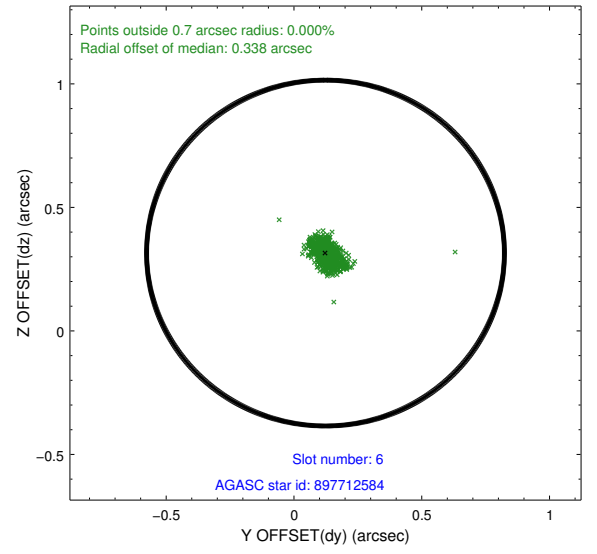
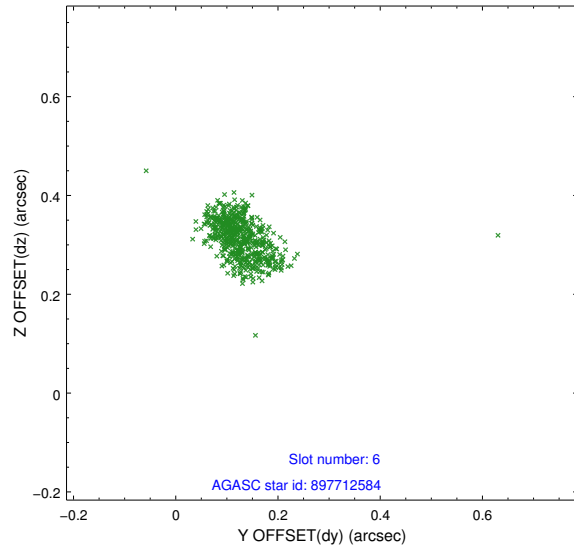
2.4.2 Slot 4



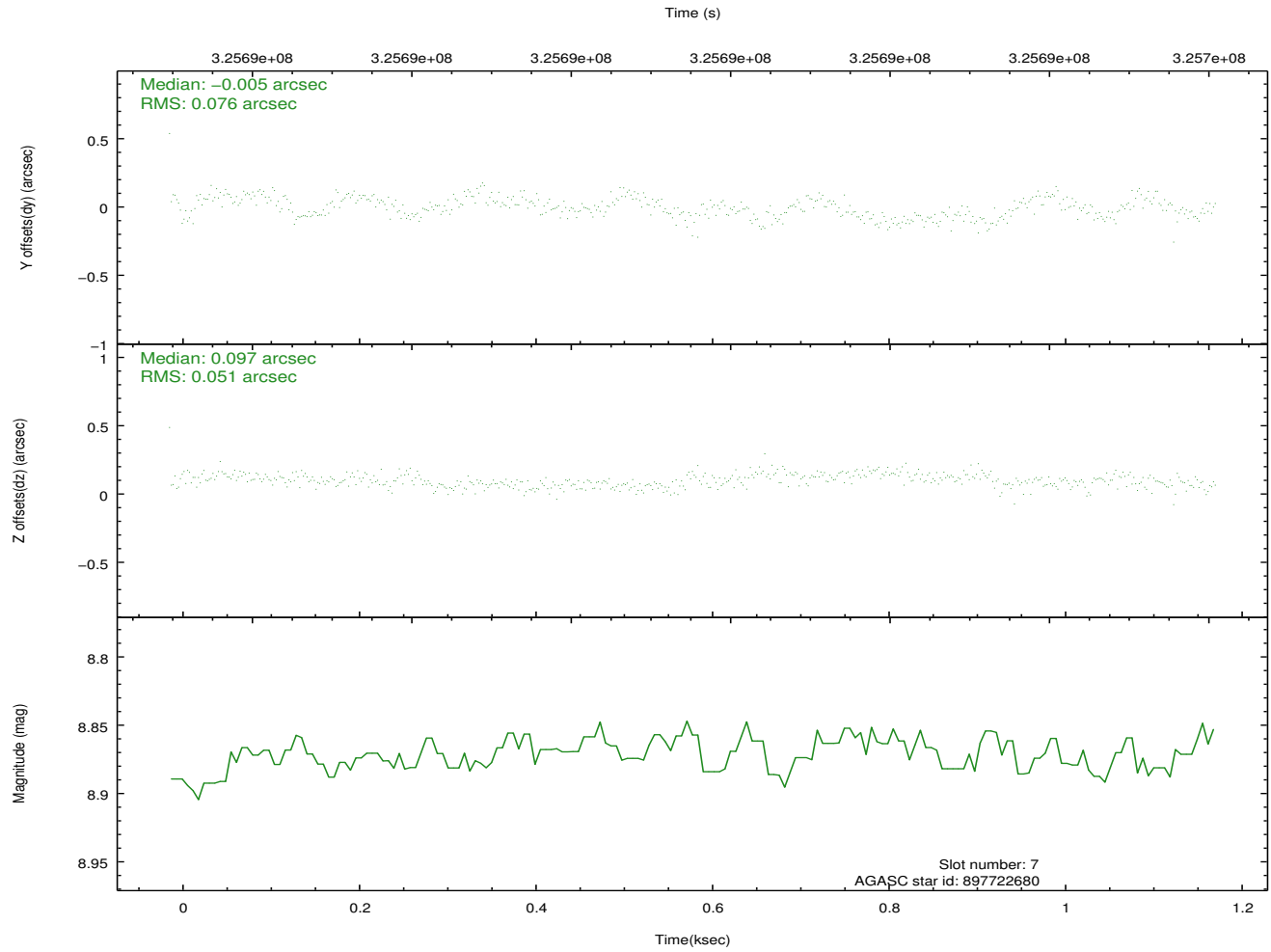
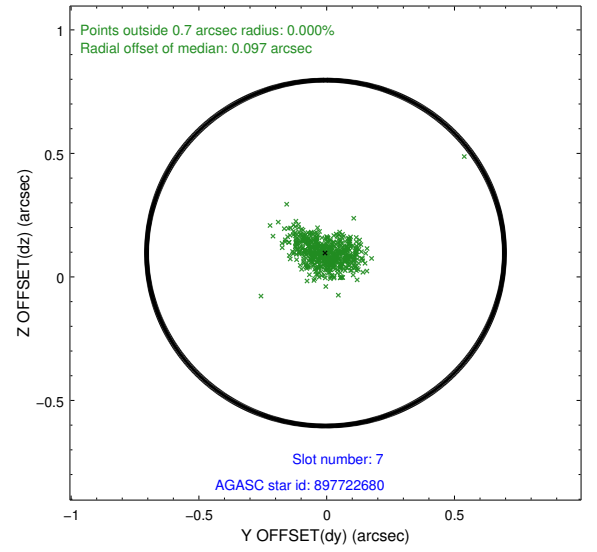
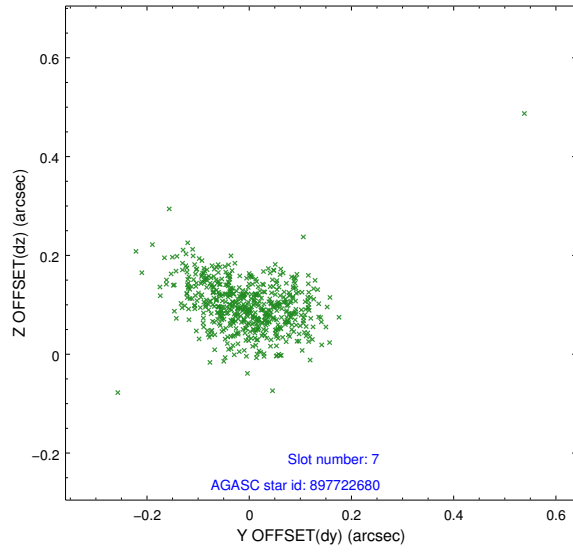
2.4.3 Slot 5



2.4.4 Slot 6

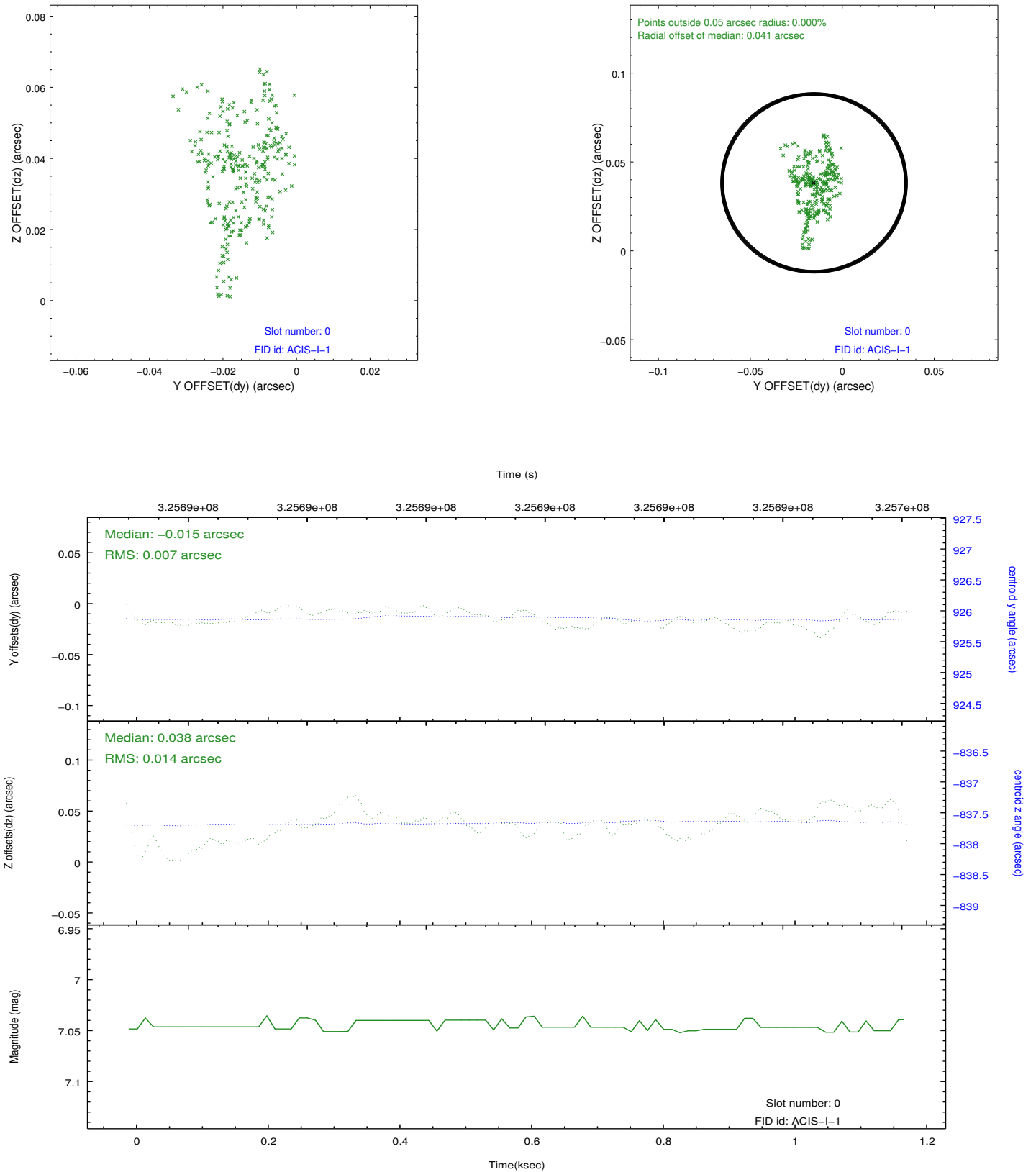


2.4.5 Slot 7

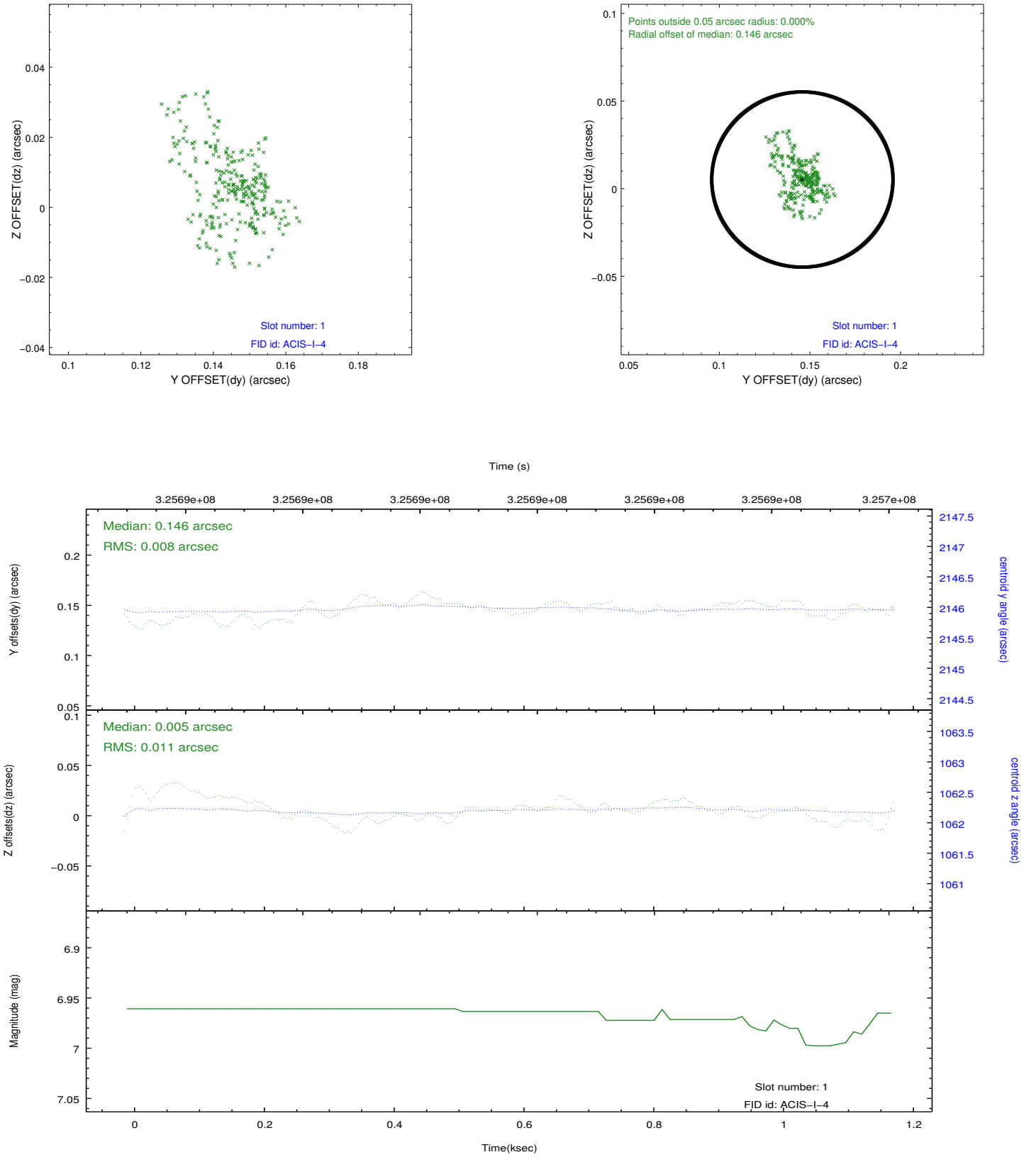


2.5 FID Slots

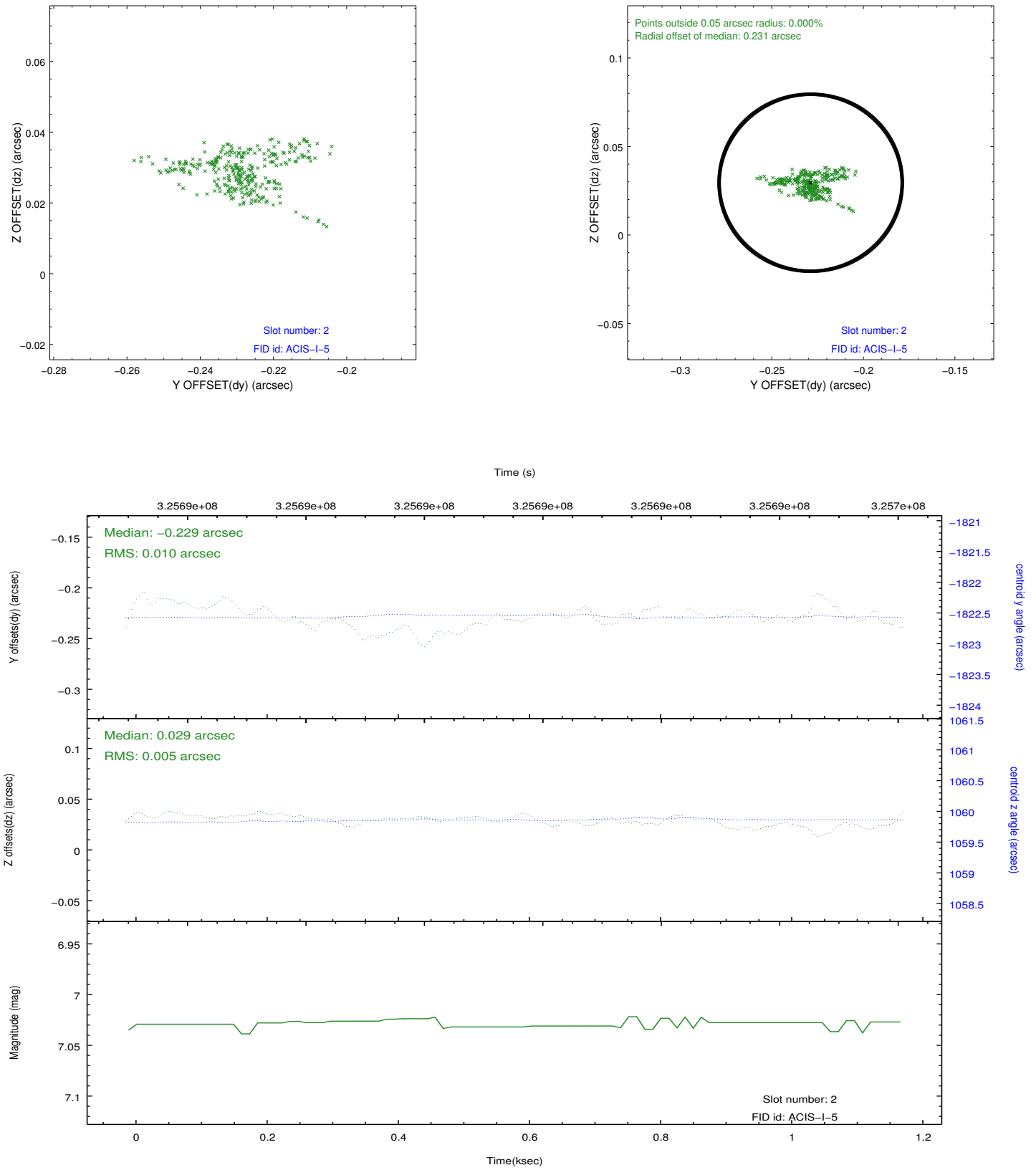
2.5.1 Slot 0



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)	2012.05.15
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	1.18079999

A.2 Comments

Joint proposal with XMM.