

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 11012 - L2 Version 2
Chandra X-Ray Center

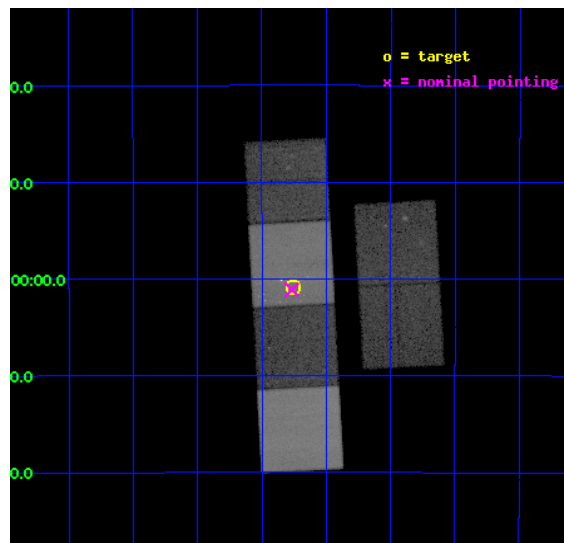
L2 Processing Date : Jun 28 2012

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1 Front

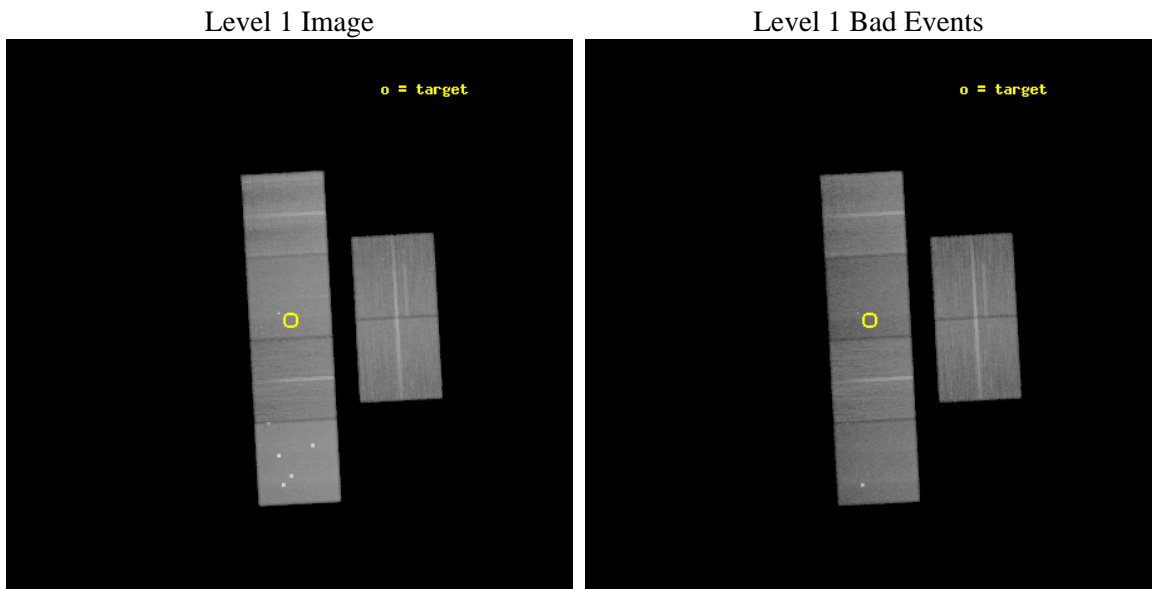
seq_num	200641	Sequence number
obs_id	11012	Observation id
title	The Stars and Edge-on Disks of PDS 144: An Intermediate-Mass Analog of Wide T Tauri Multiple Stars	Proposal title
observer	Dr. Carol Grady	Principal investigator
object	PDS 144	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	237.314167	Observer's specified target RA [deg]
dec_targ	-26.014583	Observer's specified target Dec [deg]
ra_nom	237.31673673314	Nominal RA [deg]
dec_nom	-26.018841485329	Nominal Dec [deg]
roll_nom	266.90353395392	Nominal Roll [deg]
revision	2	Processing version of data
ontime	37750.399859428	Sum of GTIs [s]
livetime	37272.381565847	Livetime [s]
ontime2	37747.158819079	Sum of GTIs [s]
ontime3	37750.399859428	Sum of GTIs [s]
ontime5	37750.399859428	Sum of GTIs [s]
ontime6	37750.399859428	Sum of GTIs [s]
ontime7	37750.399859428	Sum of GTIs [s]
ontime8	37747.158829093	Sum of GTIs [s]
l2events	471508	Number of level 2 events



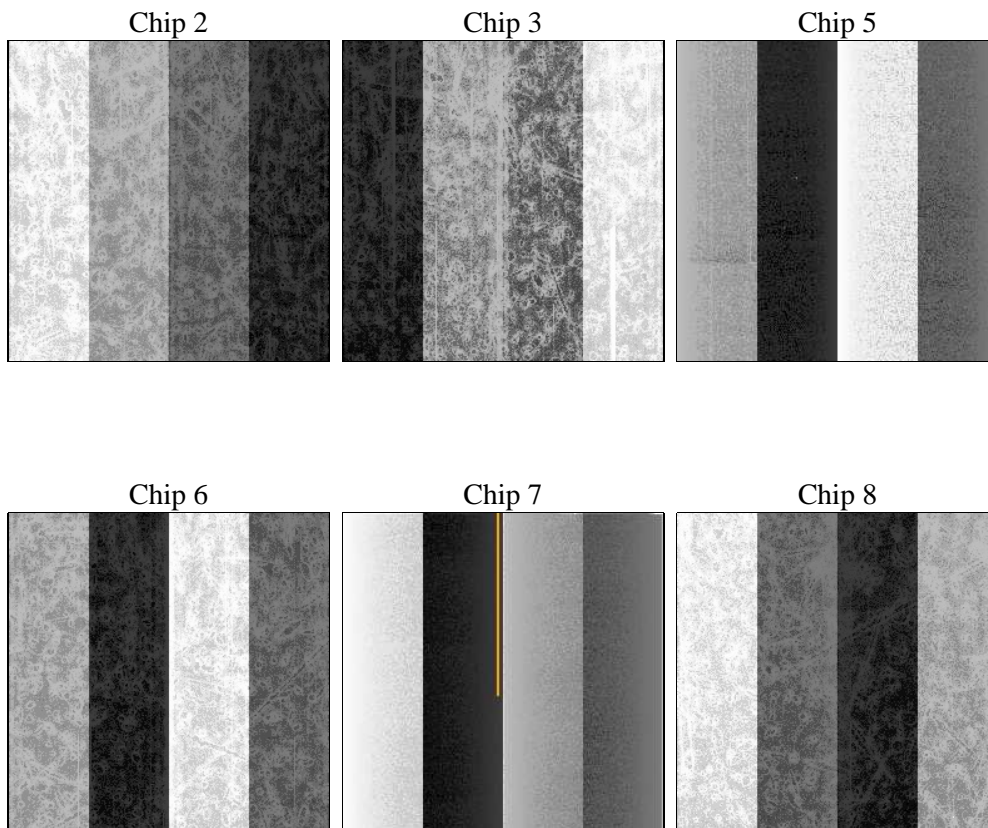
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	38000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	37750.399859428	Sum of GTIs [s]
caldbver	4.5.0	 	ontime2	37747.158819079	Sum of GTIs [s]
date	2012-06-28T23:16:15	Date and time of file creation	ontime3	37750.399859428	Sum of GTIs [s]
revision	2	Processing version of data	ontime5	37750.399859428	Sum of GTIs [s]
			ontime6	37750.399859428	Sum of GTIs [s]
			ontime7	37750.399859428	Sum of GTIs [s]
			ontime8	37747.158829093	Sum of GTIs [s]
			l1events	2052137	Number of level 1 events

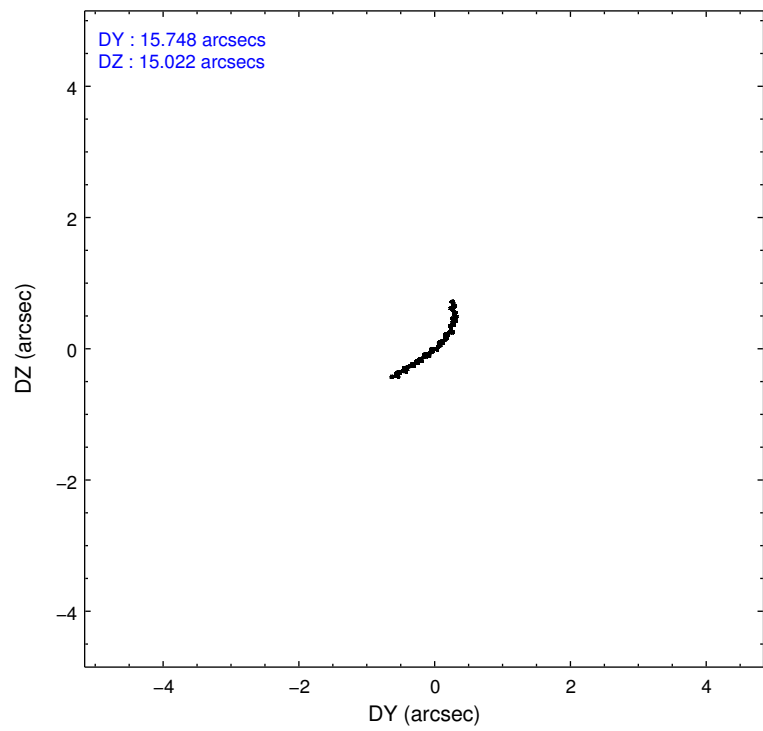
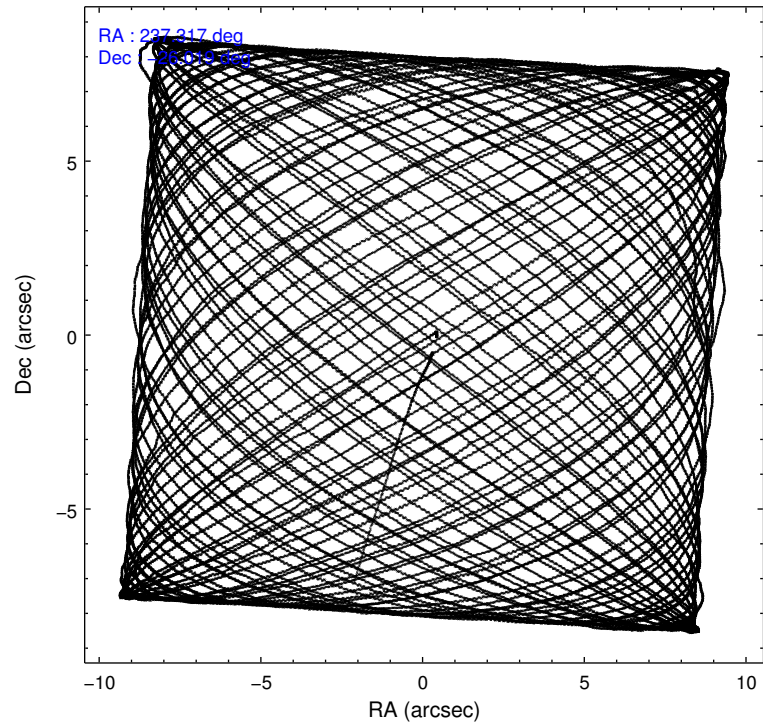
2.1.4 Events

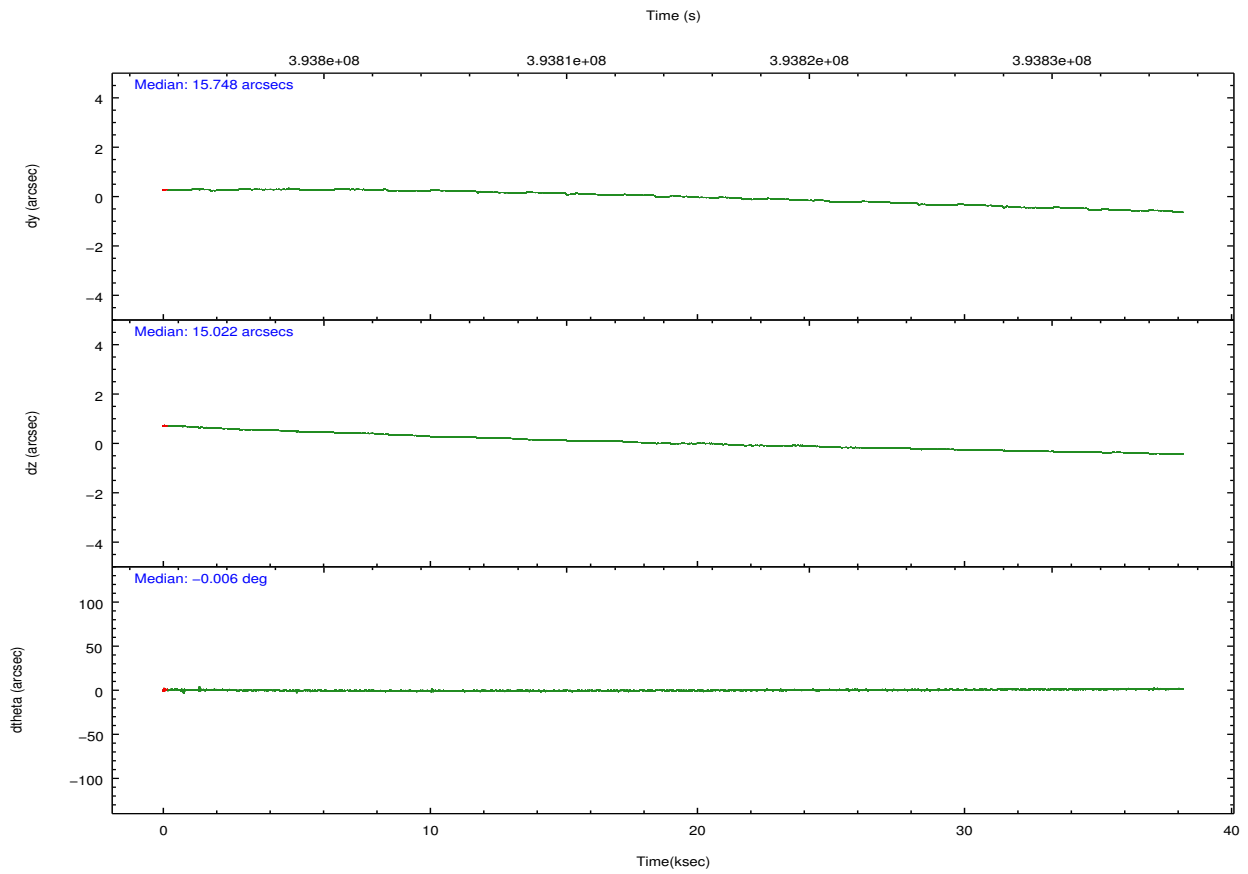
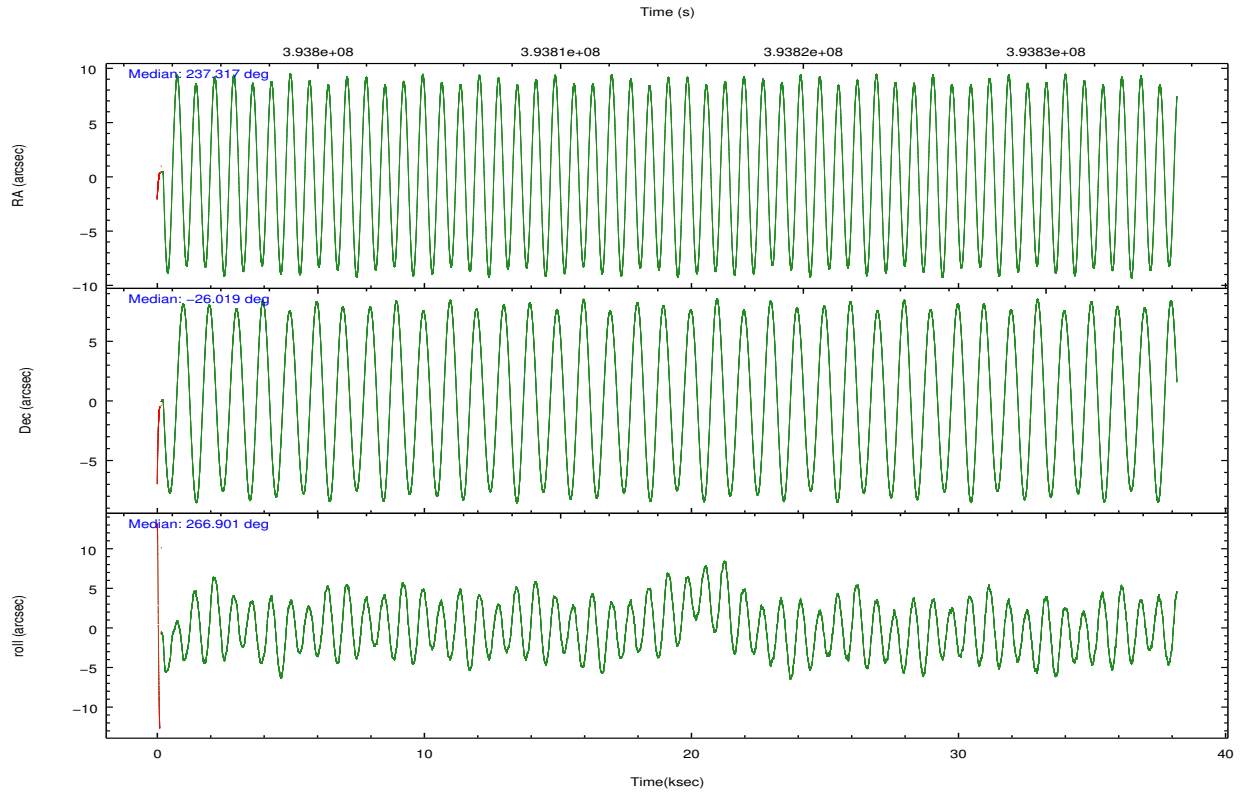
	ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8		ccd 2	ccd 3	ccd 5	ccd 6	ccd 7	ccd 8
level 1 events	298023	271929	463060	290488	357506	371131	grade 0 events	10722	10869	45071	11645	16787	27741
rejected events	268143	242721	220299	258142	192199	277046		3%	3%	9%	4%	4%	7%
rejected %	89%	89%	47%	88%	53%	74%	grade 1 events	193	161	720	167	592	350
								0%	0%	0%	0%	0%	0%
							grade 2 events	7181	6338	68672	7105	34073	22290
								2%	2%	14%	2%	9%	6%
							grade 3 events	3069	3097	8483	3262	14995	10112
								1%	1%	1%	1%	4%	2%
							grade 4 events	3197	3081	8189	3333	14843	9299
								1%	1%	1%	1%	4%	2%
							grade 5 events	11135	12729	33933	12759	36994	18571
								3%	4%	7%	4%	10%	5%
							grade 6 events	5724	5833	112393	7010	84641	24650
								1%	2%	24%	2%	23%	6%
							grade 7 events	256802	229821	185599	245207	154581	258118
								86%	84%	40%	84%	43%	69%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-235678	ACIS-235678	Obspar file type	PREDICTED	ACTUAL
Grating	NONE	NONE	Obspar update status	NONE	UPDATED
Data mode	FAINT	FAINT	CCD I0 on	N	N
Observation mode	POINTING	POINTING	CCD I1 on	N	N
[deg] Pointing RA	237.302612	237.3167367331425	CCD I2 on	O1	Y
[deg] Pointing Dec	-25.994635	-26.01884148532857	CCD I3 on	O2	Y
[deg] Pointing Roll	266.740708	266.9035339539222	CCD S0 on	N	N
[mm] SIM focus pos	-0.684267	-0.6828225247311905	CCD S1 on	Y	Y
[mm] SIM defocus	0	0.001444936568705701	CCD S2 on	Y	Y
[mm] SIM translation stage pos	-190.132523	-190.1425803651734	CCD S3 on	Y	Y
[mm] SIM translation stage offset	0	0.01005778216563158	CCD S4 on	Y	Y
[s] Observation start time (MET)	393795476.184000	393793949.71624	CCD S5 on	N	N
Observation start date	2010-06-24T19:36:50	2010-06-24T19:12:29	Number of optional ACIS chips dropped	0	0
[s] Observation end time (MET)	393833476.184000	393834231.1933	On-chip summing requested	N	N
Observation end date	2010-06-25T06:10:10	2010-06-25T06:23:51	Subarray requested	NONE	NONE
Read mode	TIMED	TIMED	Alternating exposures requested	N	N
			[s] Primary exposure time	0.000000	3.2

2.3 Aspect





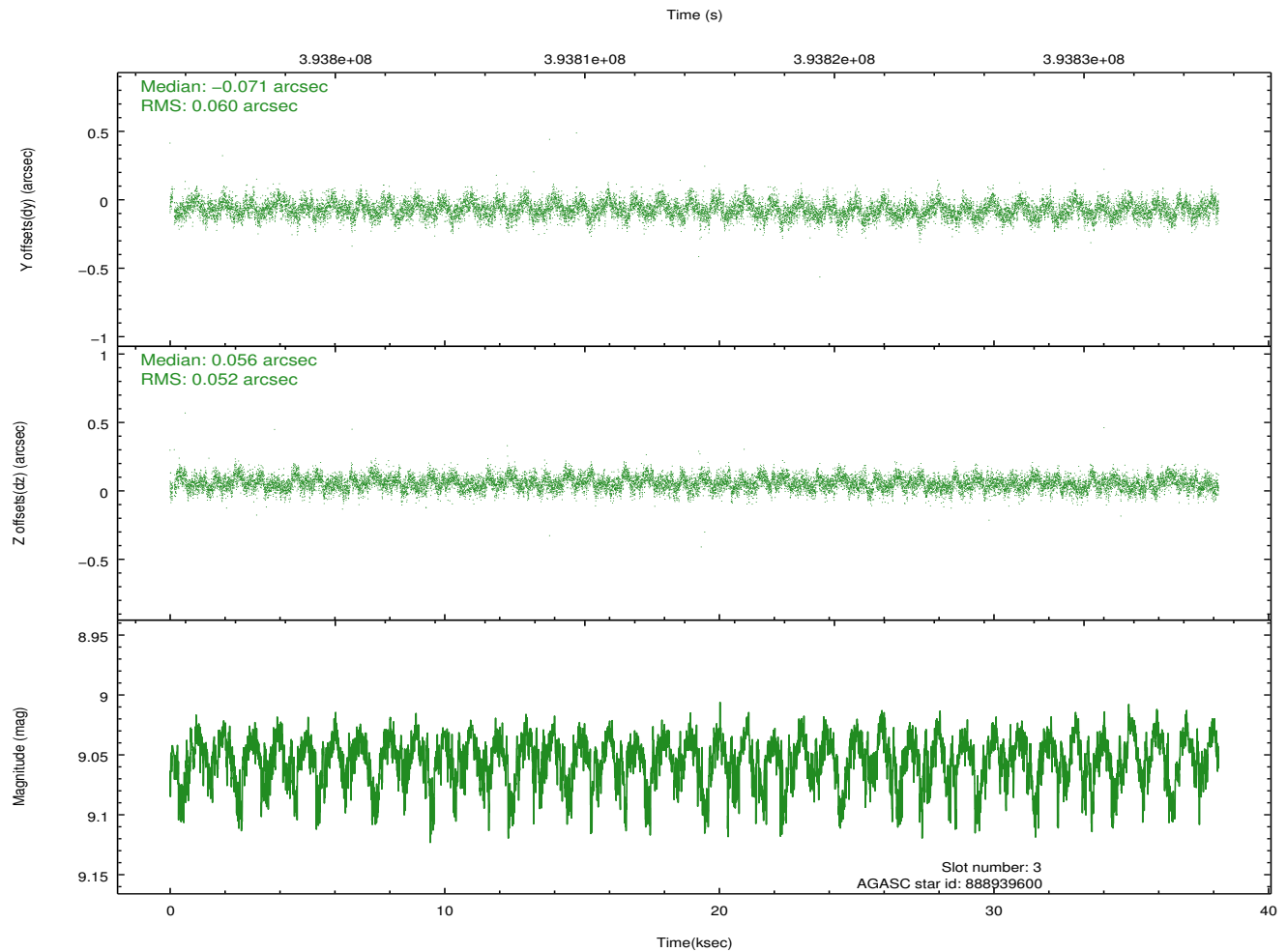
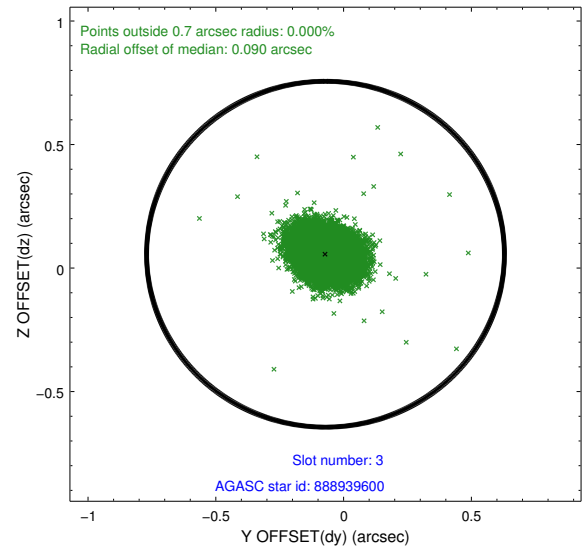
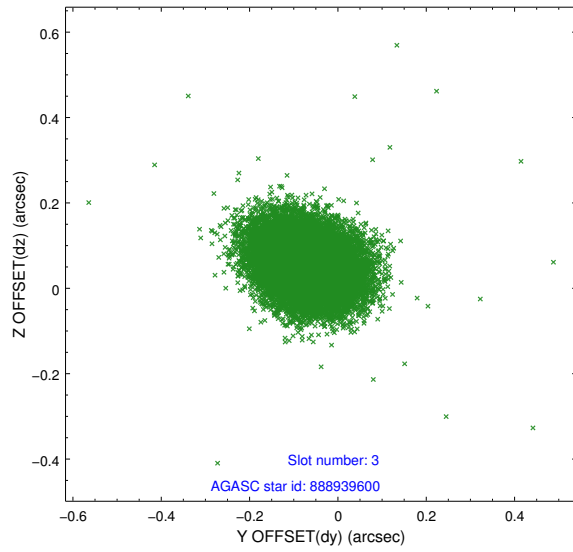
Slot Statistics

	status	id	mag	n_pts	med_dy	med_dz	dr1
	FID	ACIS-S-1	7.03	9300	0.061	-0.055	0.017
	FID	ACIS-S-5	7.07	9299	-0.121	0.032	0.016
	FID	ACIS-S-6	7.18	9299	0.042	0.035	0.022
	GUIDE	888939600	9.05	18581	-0.071	0.056	0.084
	GUIDE	888947144	9.28	18573	-0.114	0.020	0.096
	GUIDE	889458928	8.81	18587	0.136	-0.078	0.078
	GUIDE	889461760	8.47	18588	0.047	-0.003	0.067
0.000	0.000	0.000	0.000000	0.000000	0.00	0.00	

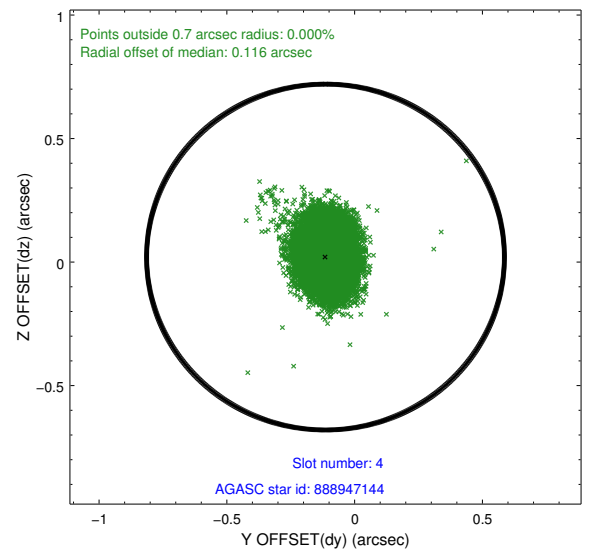
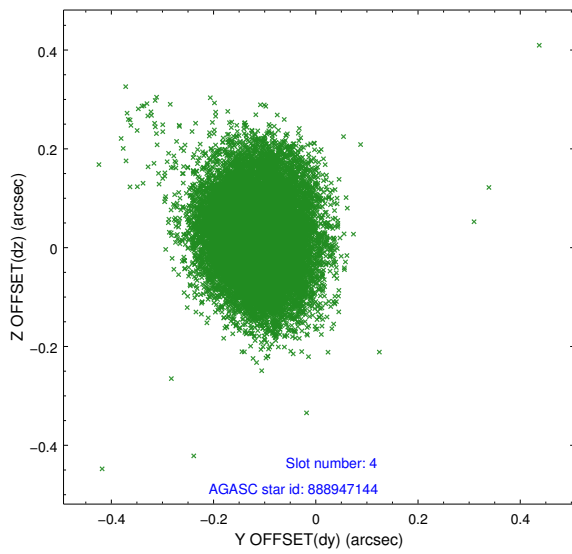
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2.4 Star Slots

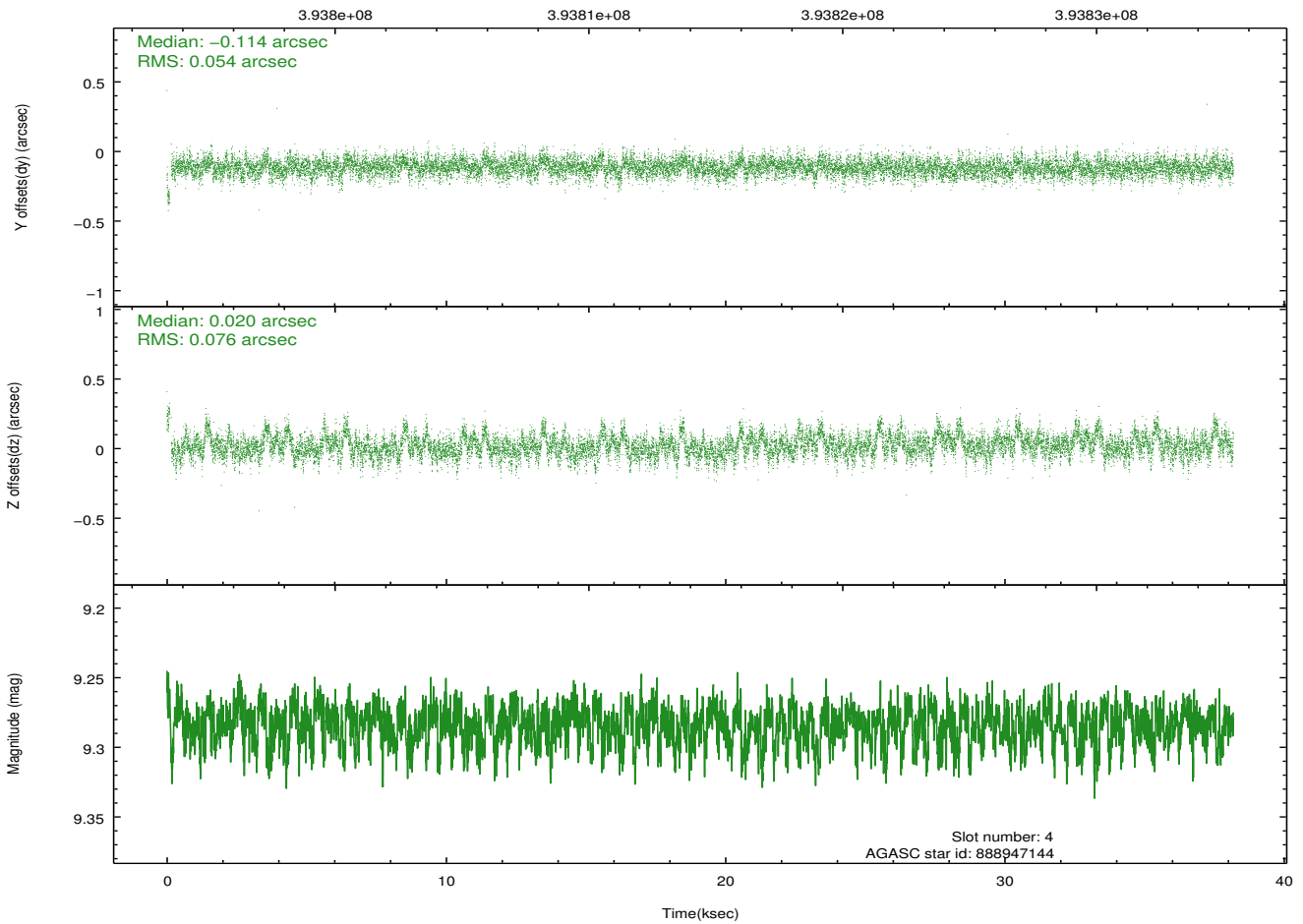
2.4.1 Slot 3



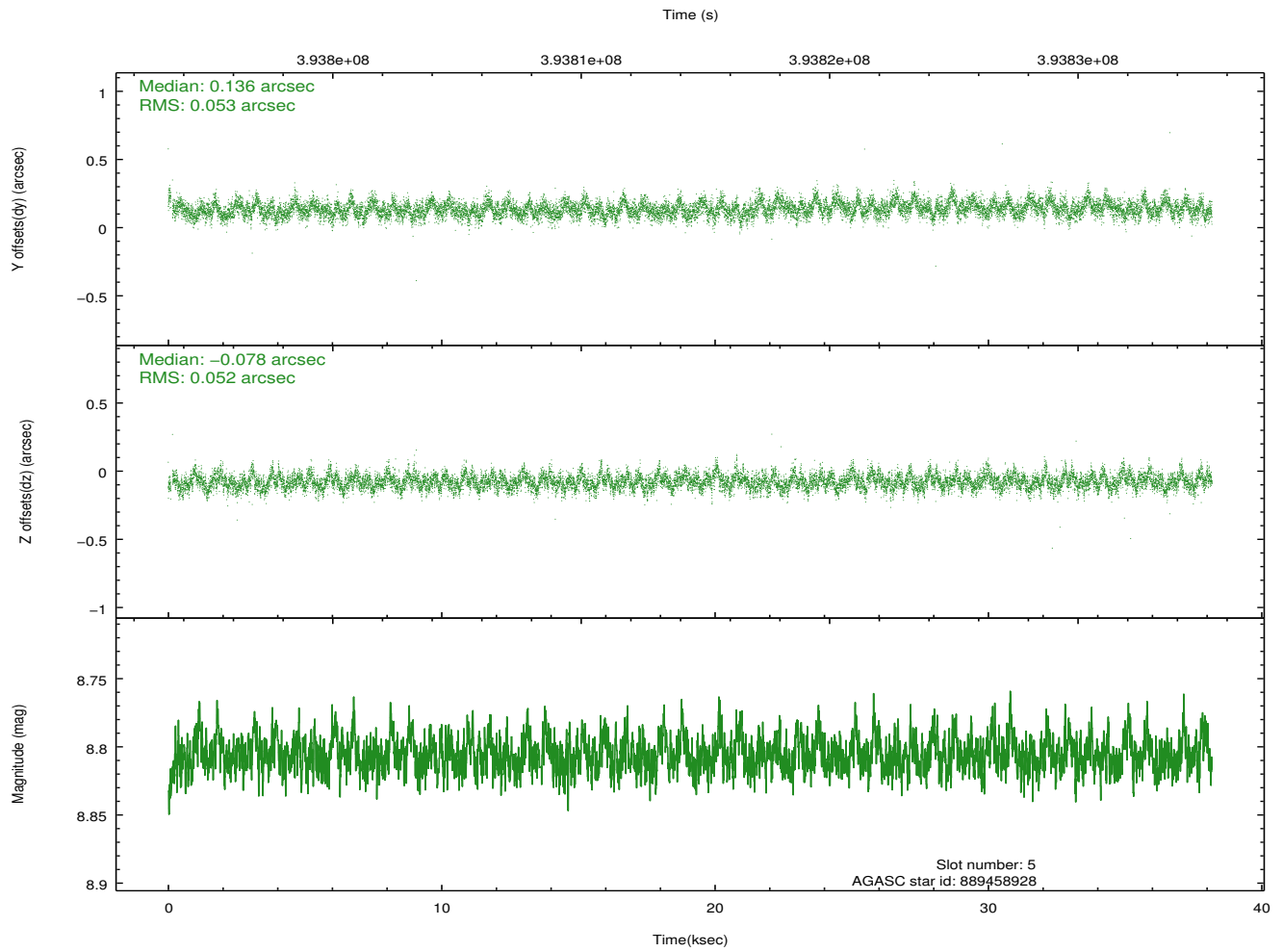
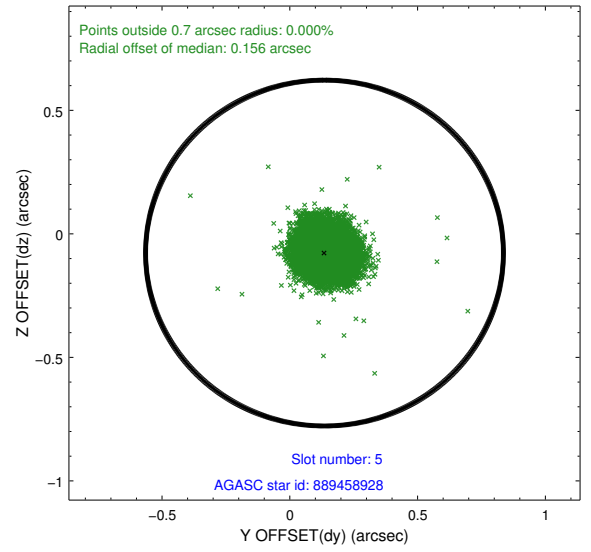
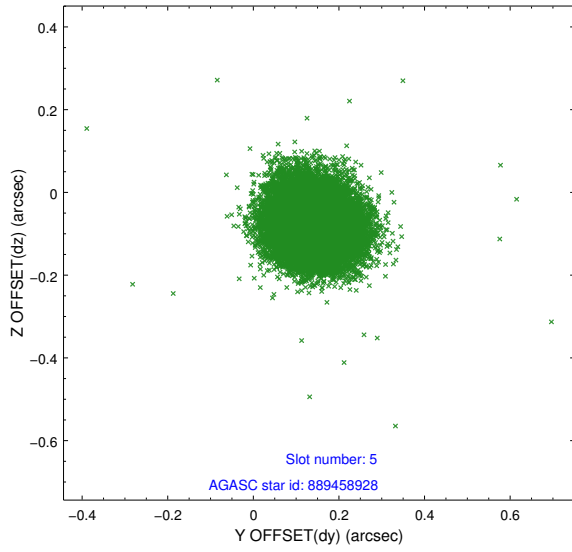
2.4.2 Slot 4



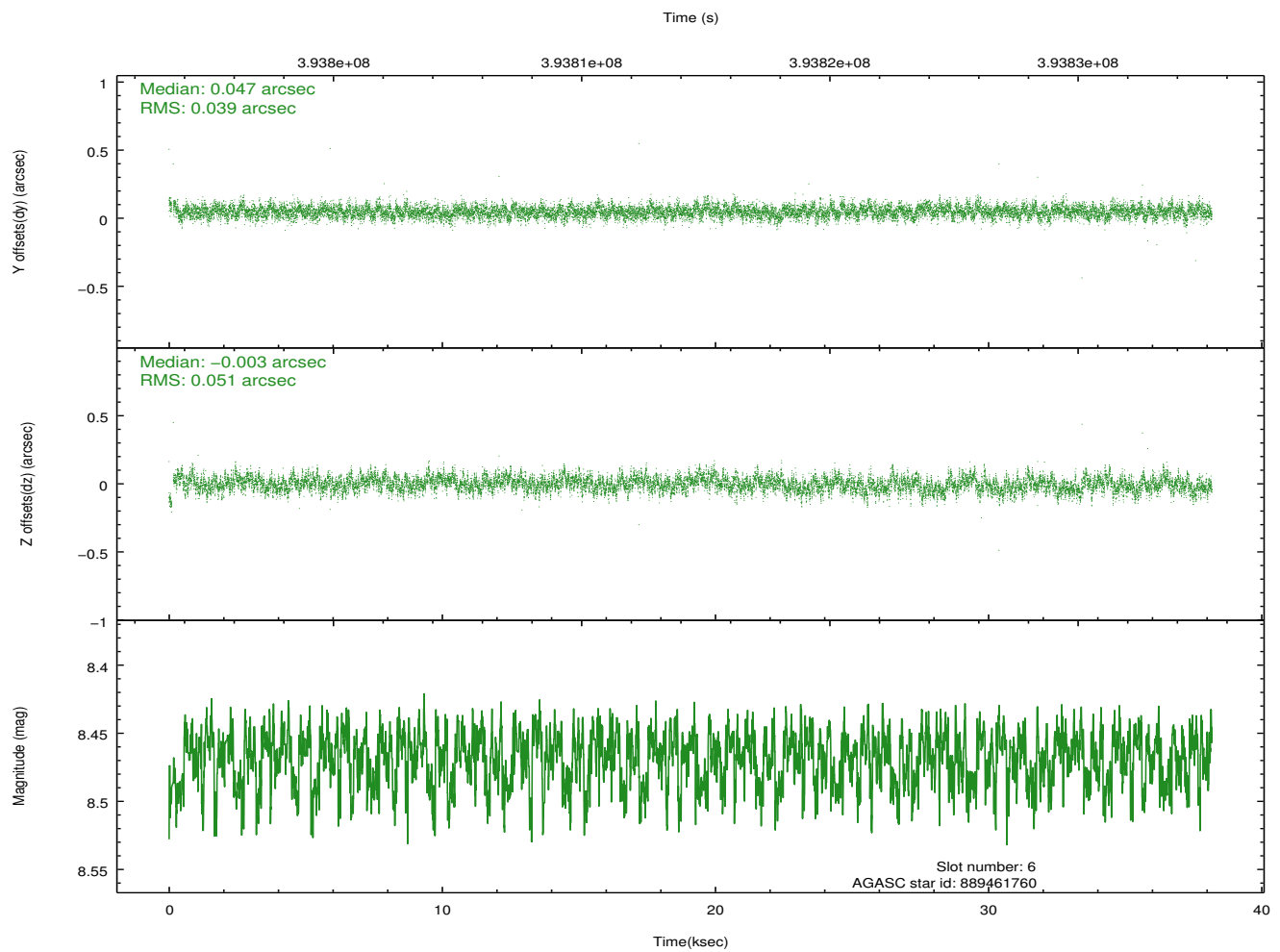
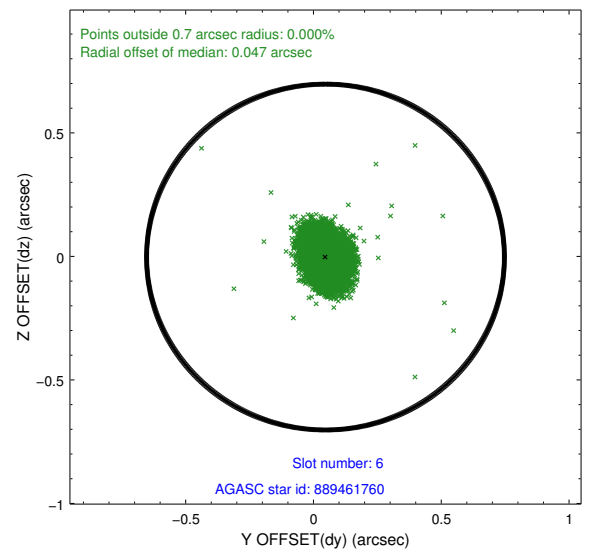
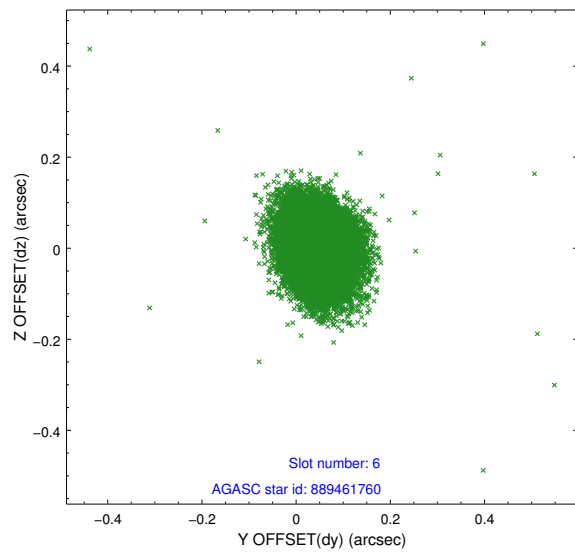
Time (s)



2.4.3 Slot 5

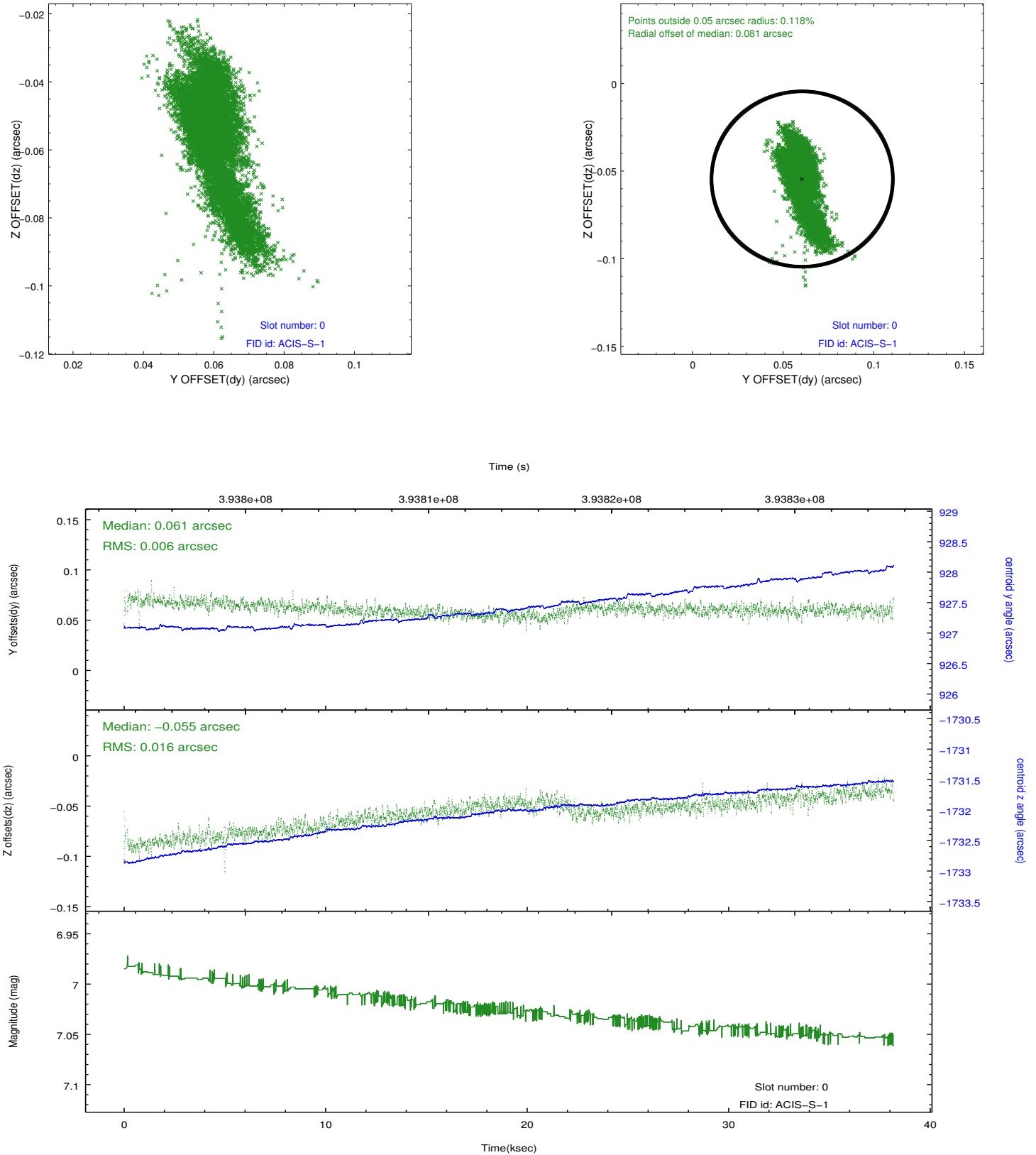


2.4.4 Slot 6

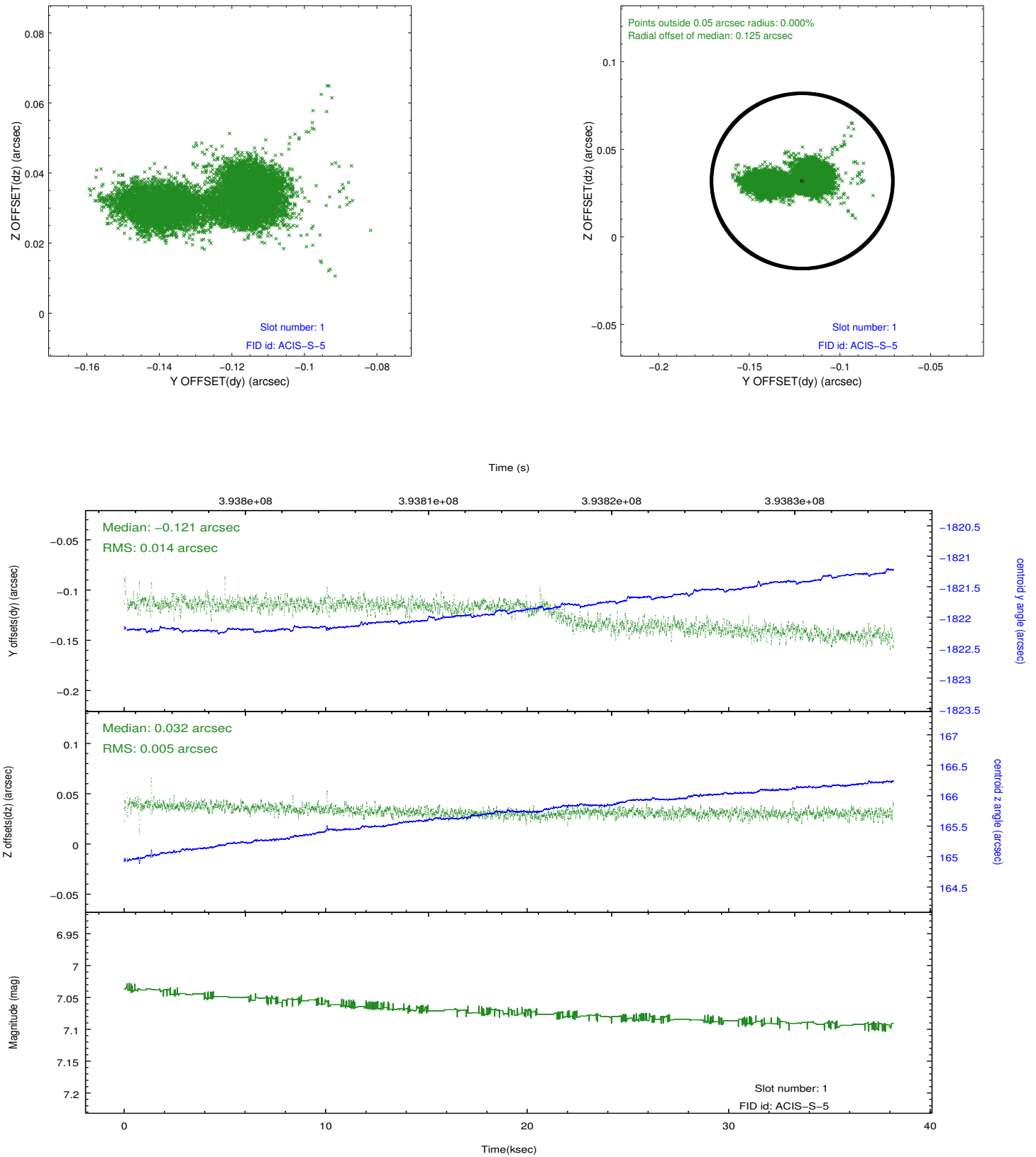


2.5 FID Slots

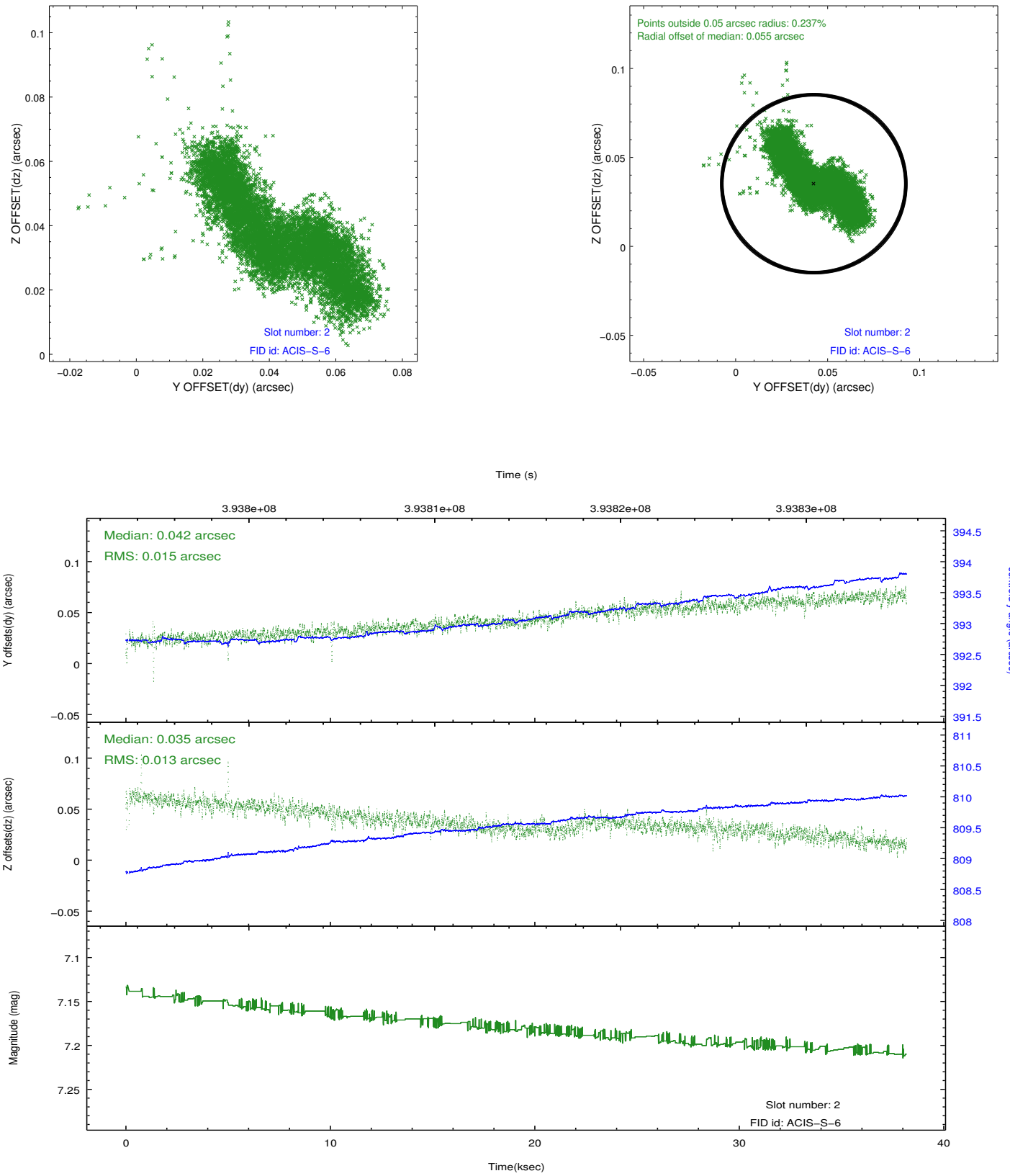
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.07.05
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	37.750399859428

A.2 Comments

Target was monitored at optical wavelengths in guide star slot 7. Joint Proposal: HST.