

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 236 - L2 Version 4
Chandra X-Ray Center

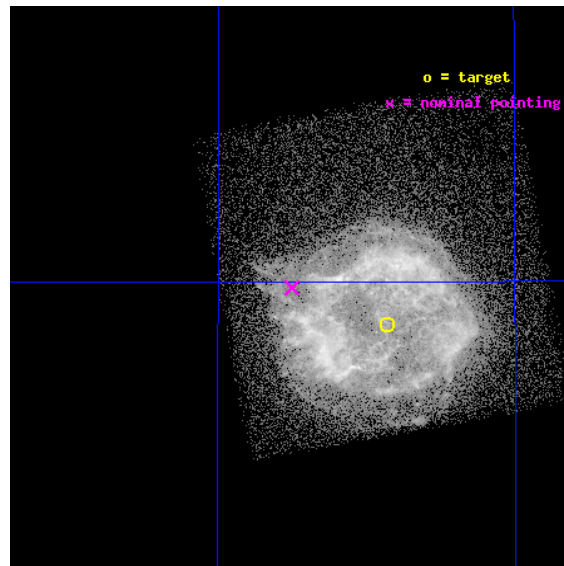
L2 Processing Date : Aug 23 2012

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1 Front

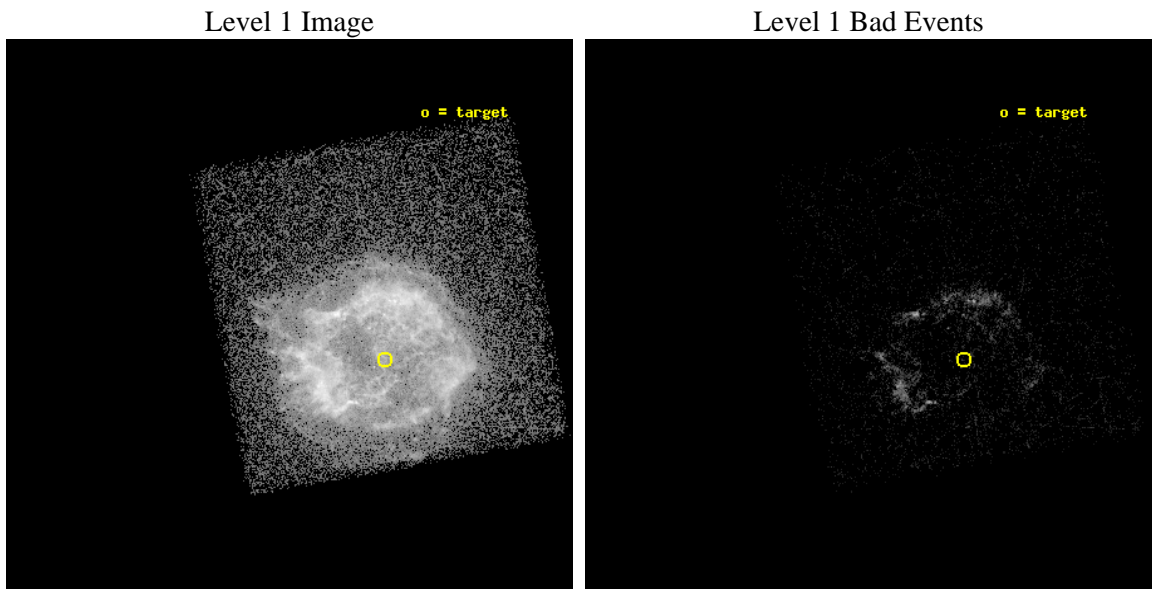
seq_num	590104	Sequence number
obs_id	236	Observation id
title	ACIS CHIP RESPONSE TO CAS A, APR. 99	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	CAS A [Chip S3, T=120, Offsets=-2,-1,0]	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	350.8575	Observer's specified target RA [deg]
dec_targ	58.814833	Observer's specified target Dec [deg]
ra_nom	350.93774753087	Nominal RA [deg]
dec_nom	58.830739281008	Nominal Dec [deg]
roll_nom	349.71017902415	Nominal Roll [deg]
revision	4	Processing version of data
ontime	971.27340039611	Sum of GTIs [s]
livetime	958.97455176966	Livetime [s]
ontime4	1390.6539854556	Sum of GTIs [s]
ontime5	1750.4000016153	Sum of GTIs [s]
ontime6	1721.2312998027	Sum of GTIs [s]
ontime7	971.27340039611	Sum of GTIs [s]
ontime8	1695.3037176579	Sum of GTIs [s]
ontime9	1666.1351754367	Sum of GTIs [s]
l2events	305281	Number of level 2 events



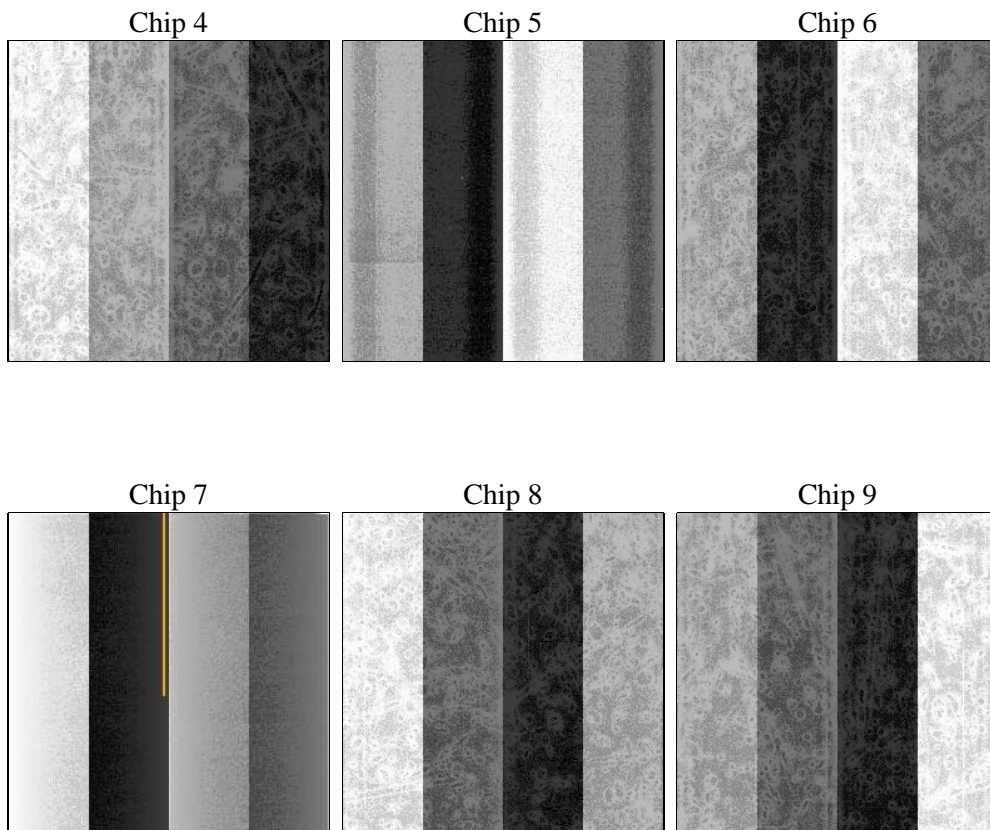
2 OBI

2.1 OBI

2.1.1 Images



2.1.2 Bias



2.1.3 Parameters

obi_num	0	Obi number	sched_exp_time	2000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	971.27340039611	Sum of GTIs [s]
caldbver	4.5.1.1	 	ontime4	1390.6539854556	Sum of GTIs [s]
date	2012-08-23T13:53:30	Date and time of file creation	ontime5	1750.4000016153	Sum of GTIs [s]
revision	4	Processing version of data	ontime6	1721.2312998027	Sum of GTIs [s]
			ontime7	971.27340039611	Sum of GTIs [s]
			ontime8	1695.3037176579	Sum of GTIs [s]
			ontime9	1666.1351754367	Sum of GTIs [s]
			l1events	344476	Number of level 1 events

2.1.4 Events

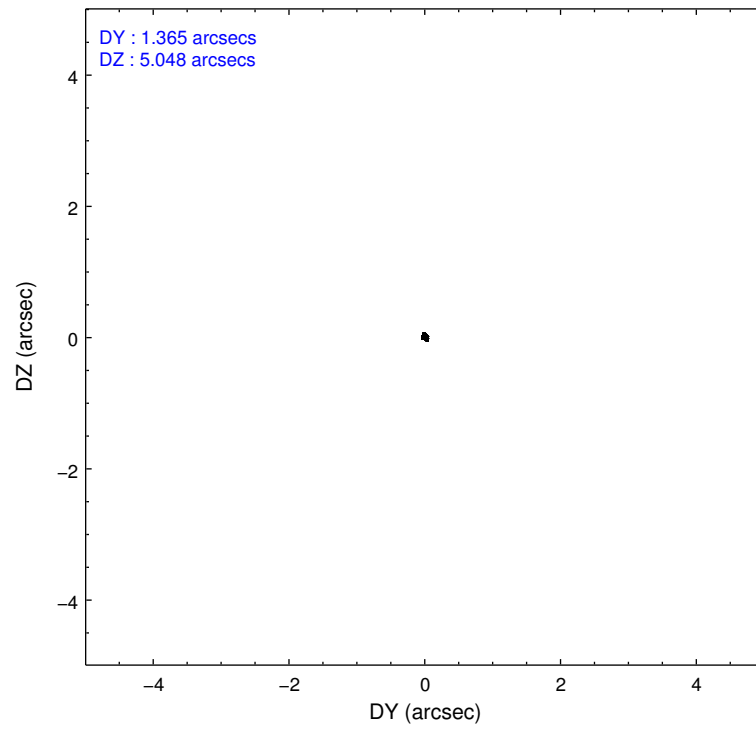
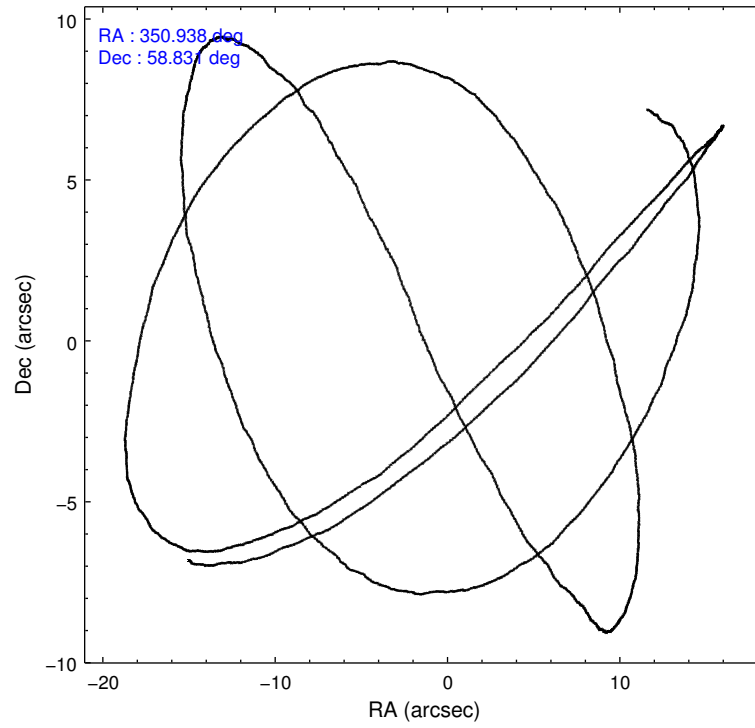
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
level 1 events	0	0	0	344476	0	0
rejected events	0	0	0	35312	0	0
rejected %	0%	0%	0%	10%	0%	0%

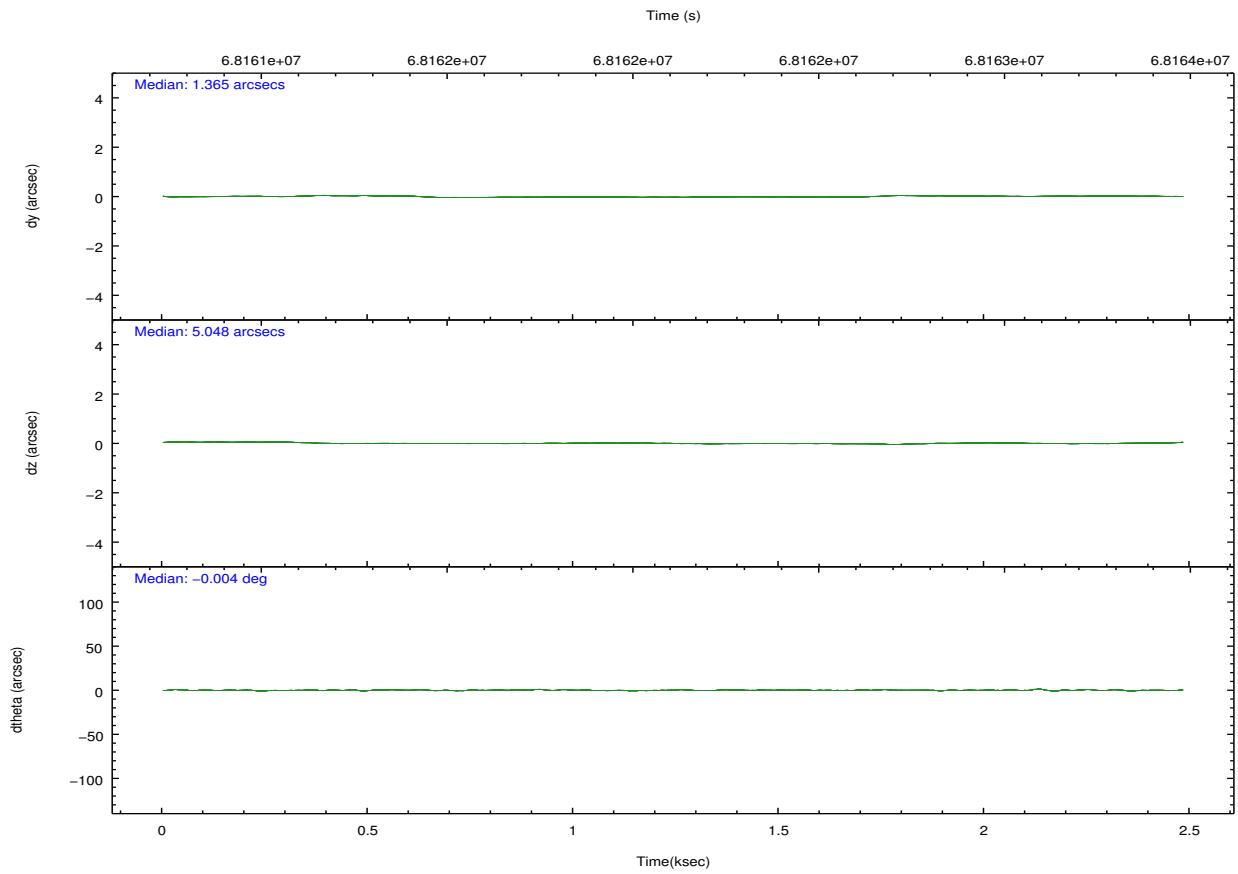
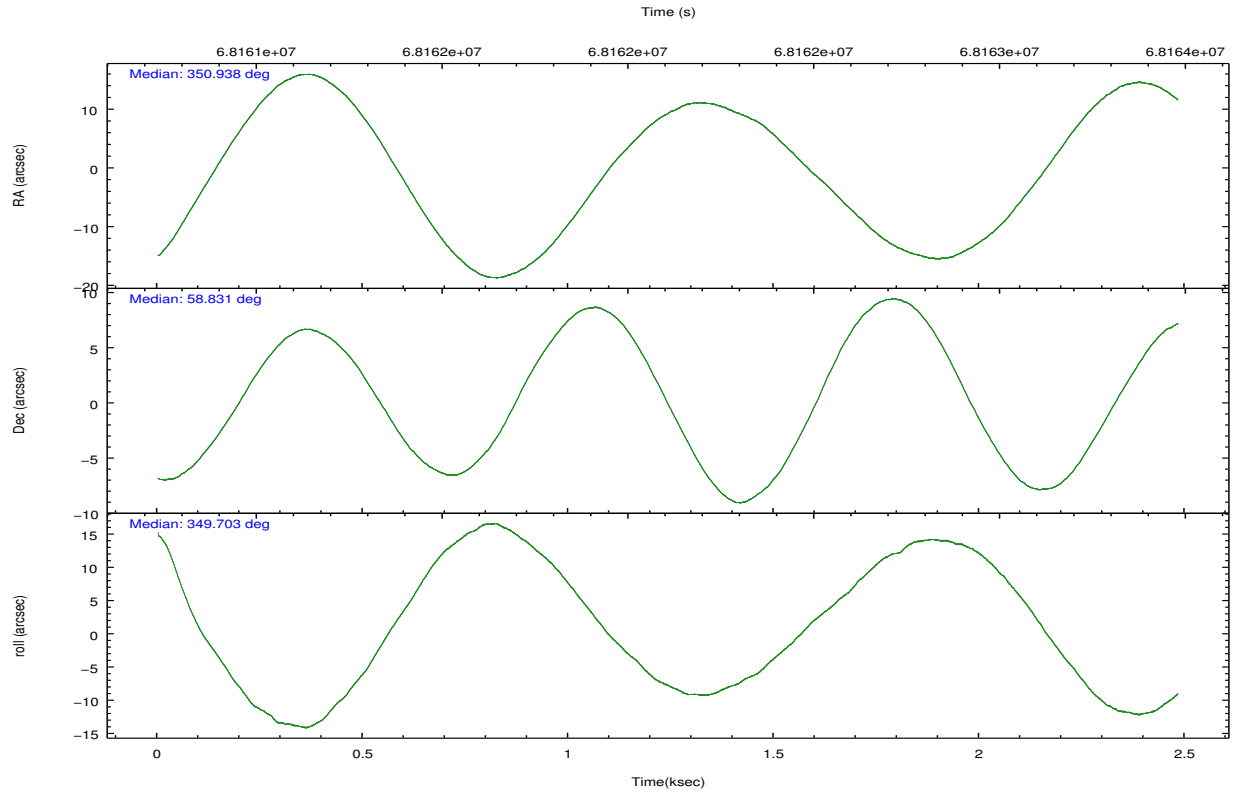
	ccd 4	ccd 5	ccd 6	ccd 7	ccd 8	ccd 9
grade 0 events	0	0	0	78719	0	0
	0%	0%	0%	22%	0%	0%
grade 1 events	0	0	0	1746	0	0
	0%	0%	0%	0%	0%	0%
grade 2 events	0	0	0	82586	0	0
	0%	0%	0%	23%	0%	0%
grade 3 events	0	0	0	36755	0	0
	0%	0%	0%	10%	0%	0%
grade 4 events	0	0	0	36266	0	0
	0%	0%	0%	10%	0%	0%
grade 5 events	0	0	0	6692	0	0
	0%	0%	0%	1%	0%	0%
grade 6 events	0	0	0	75857	0	0
	0%	0%	0%	22%	0%	0%
grade 7 events	0	0	0	25855	0	0
	0%	0%	0%	7%	0%	0%

2.2 Compared Parameters

Parameter	Planned	Actual	Parameter	Planned	Actual
Instrument	ACIS	ACIS	Obspar format version number	7	7
Detector	ACIS-456789	ACIS-456789	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	350.887343	350.9377475308718	Subarray requested	NONE	NONE
[deg] Pointing Dec	58.821486	58.83073928100783	Alternating exposures requested	N	N
[deg] Pointing Roll	349.596687	349.7101790241521	[s] Primary exposure time	0.000000	3.2
[s] Window start time (MET)	65750464.184000	65750464.184000			
[s] Window stop time (MET)	68256064.184000	68256064.184000			
[mm] SIM focus pos	-0.684267	-0.6828225247311905			
[mm] SIM defocus	0	0.001444936568705701			
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	68161350.184000	68160683.936947			
Observation start date	2000-02-28T21:41:26	2000-02-28T21:31:23			
[s] Observation end time (MET)	68163350.184000	68163484.237049			
Observation end date	2000-02-28T22:14:46	2000-02-28T22:18:04			
Read mode	TIMED	TIMED			

2.3 Aspect



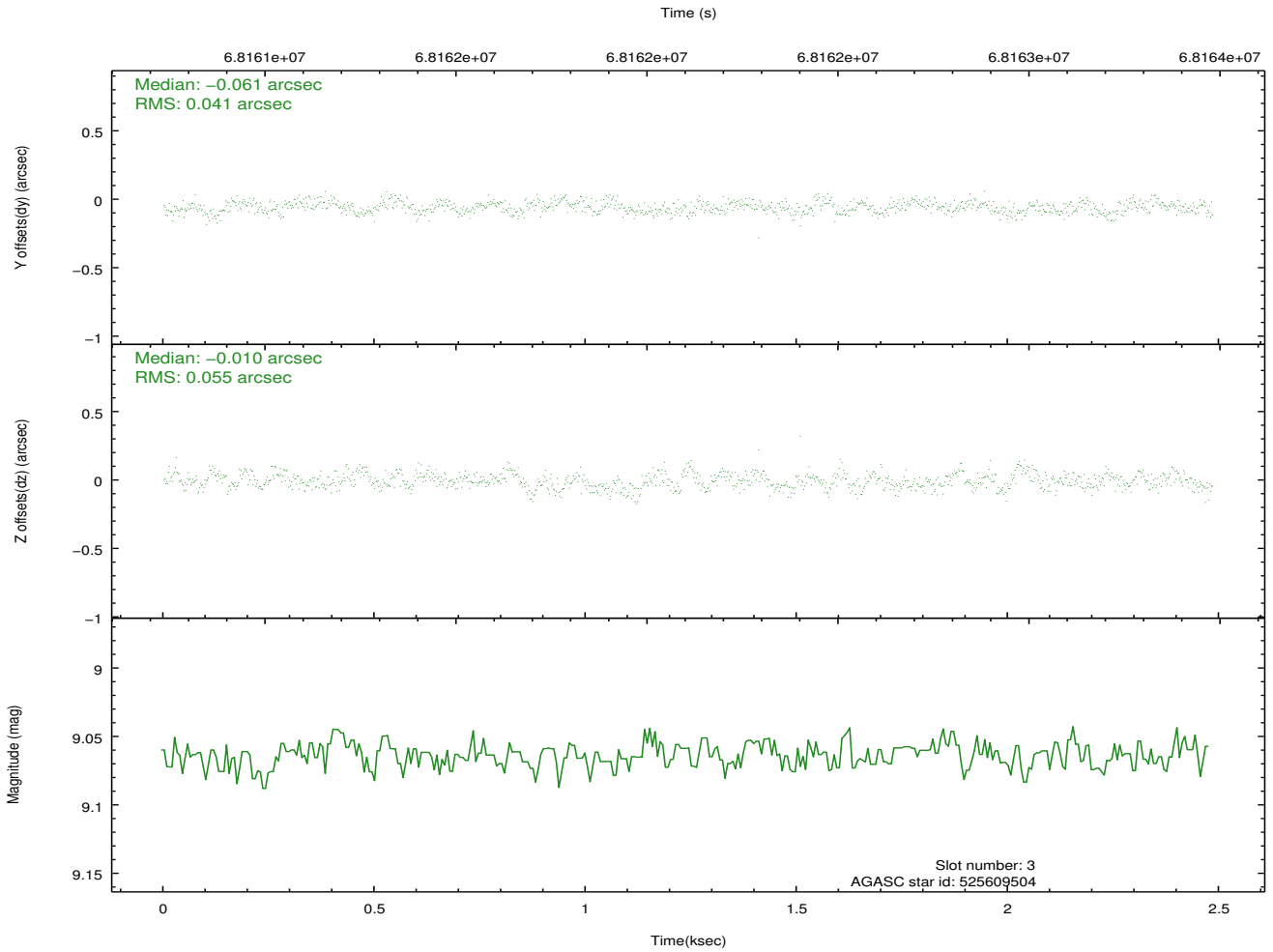
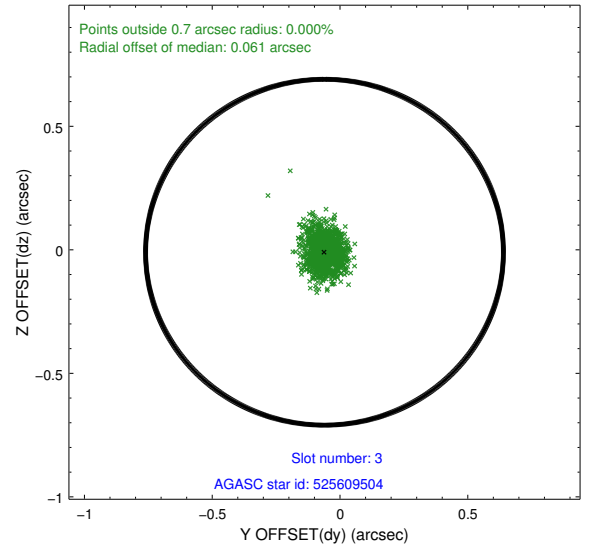
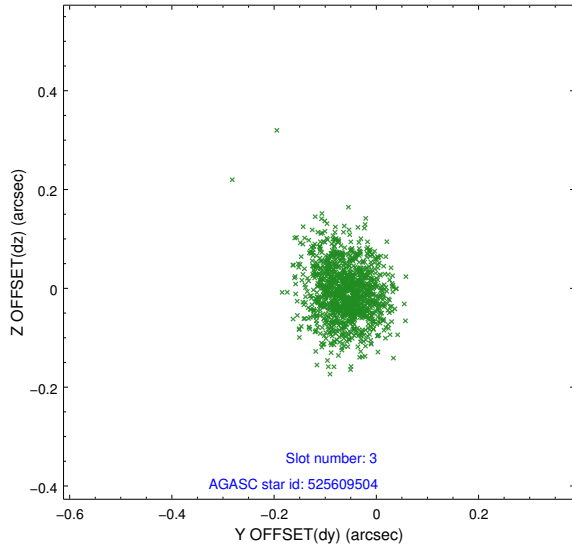


Slot Statistics

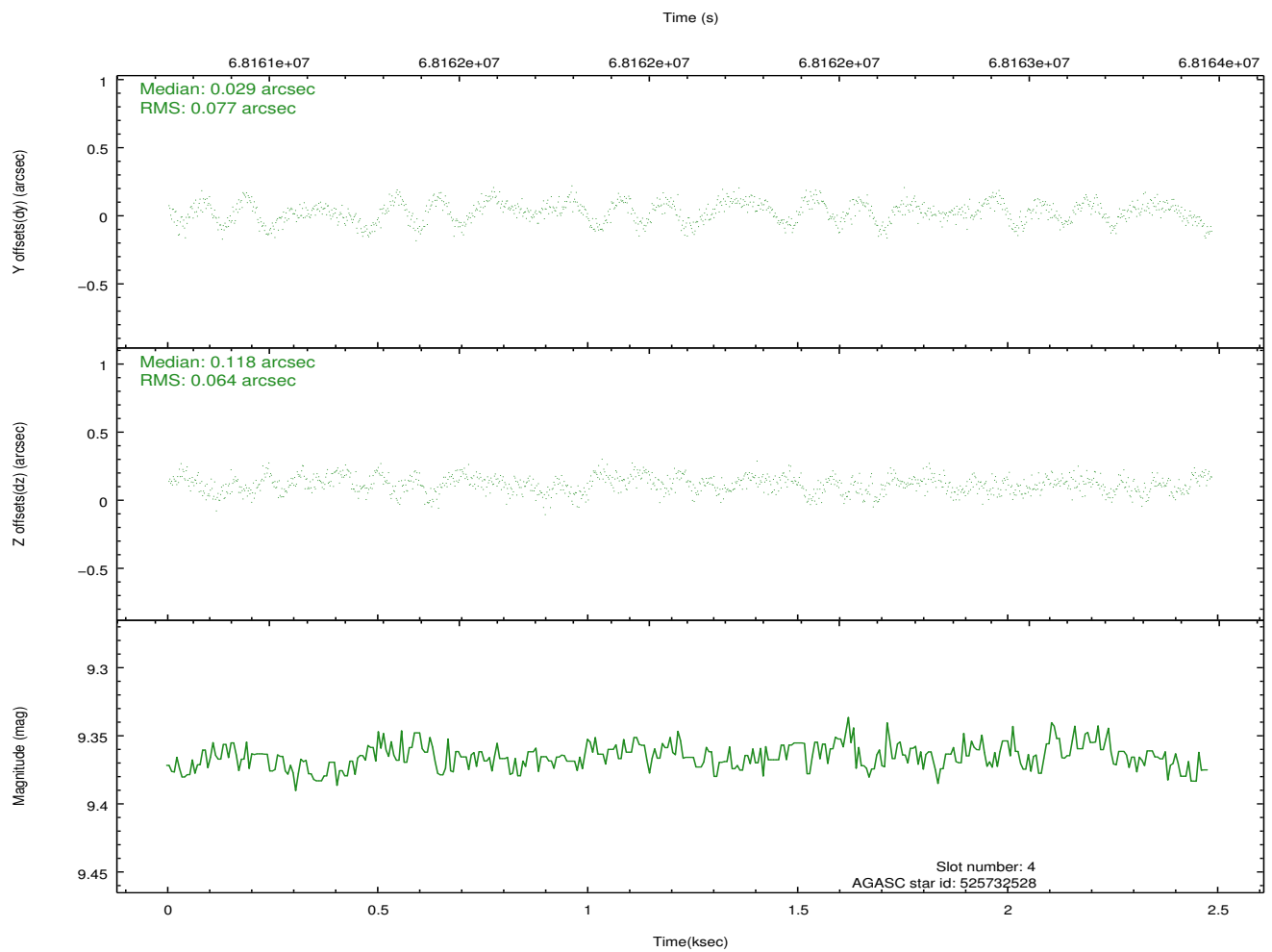
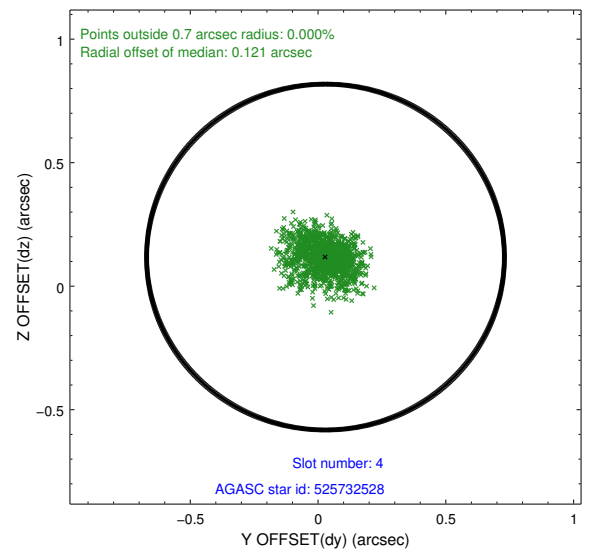
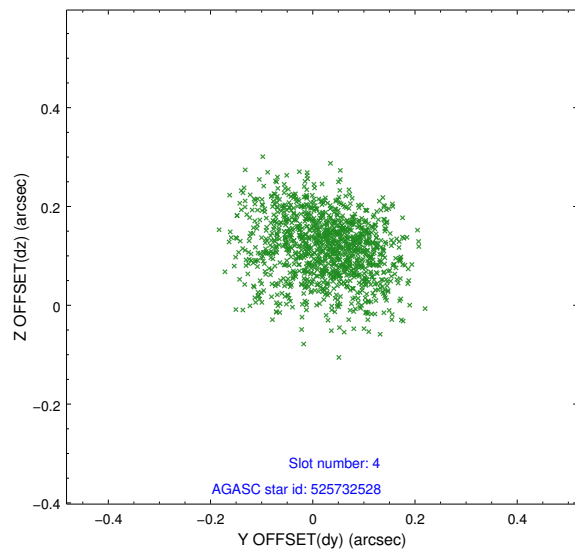
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.36	606	-0.032	-0.001	0.007	0.012	0.000000	0.000000	59.19	-1855.18
1	FID	ACIS-S-4	7.21	606	0.012	0.018	0.006	0.010	0.000000	0.000000	2159.49	179.47
2	FID	ACIS-S-5	7.24	606	-0.008	-0.008	0.006	0.010	0.000000	0.000000	-1803.45	176.32
3	GUIDE	525609504	9.06	1212	-0.061	-0.010	0.074	0.116	349.896632	58.356658	-1541.51	-1970.76
4	GUIDE	525732528	9.37	1210	0.029	0.118	0.108	0.171	351.607241	59.298932	987.29	1934.75
5	GUIDE	525601208	9.21	1211	-0.170	0.088	0.100	0.167	349.910779	59.483724	-2189.34	2036.47
6	GUIDE	525207384	9.74	1212	0.190	-0.218	0.114	0.192	351.880308	58.083642	2333.66	-2256.29
7	GUIDE	525739944	9.70	1209	0.000	0.022	0.093	0.155	351.115137	58.944976	336.55	512.19

2.4 Star Slots

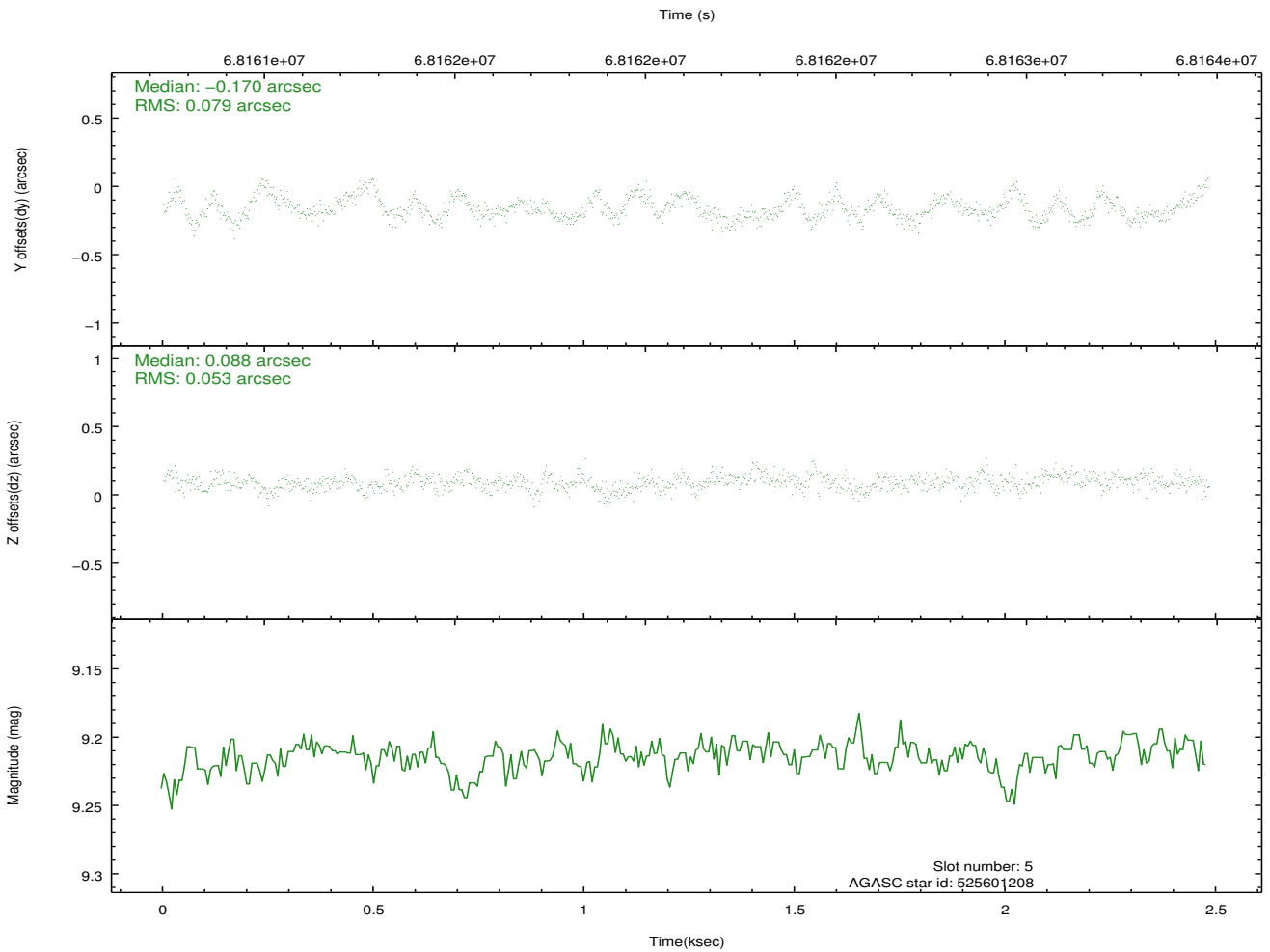
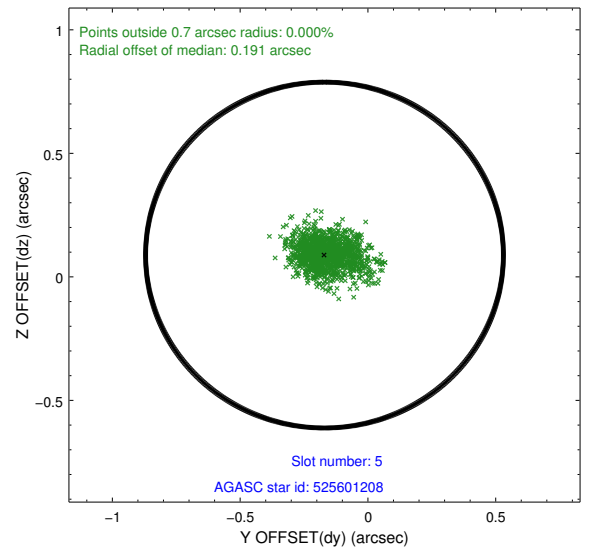
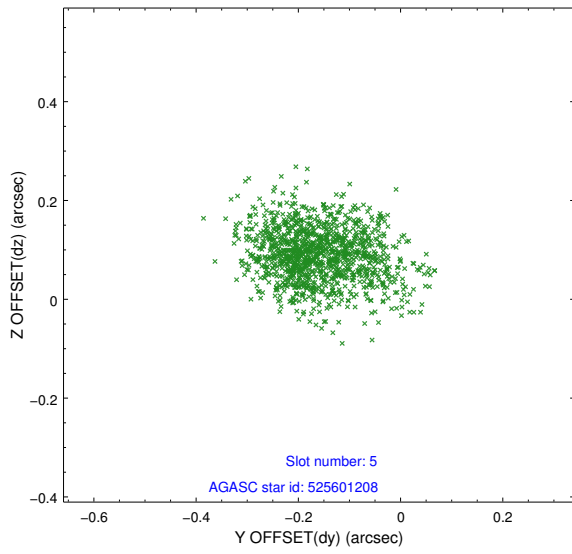
2.4.1 Slot 3



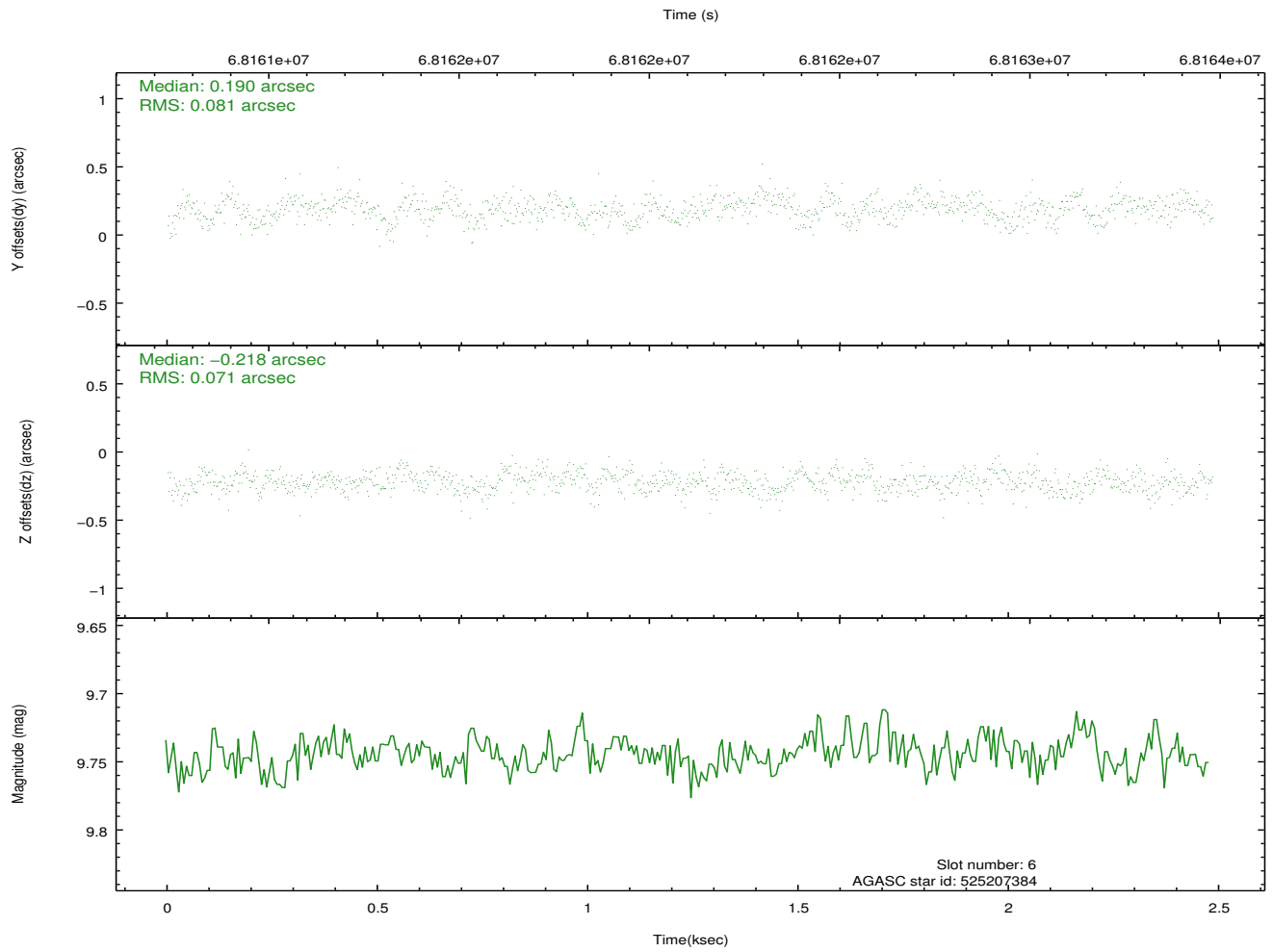
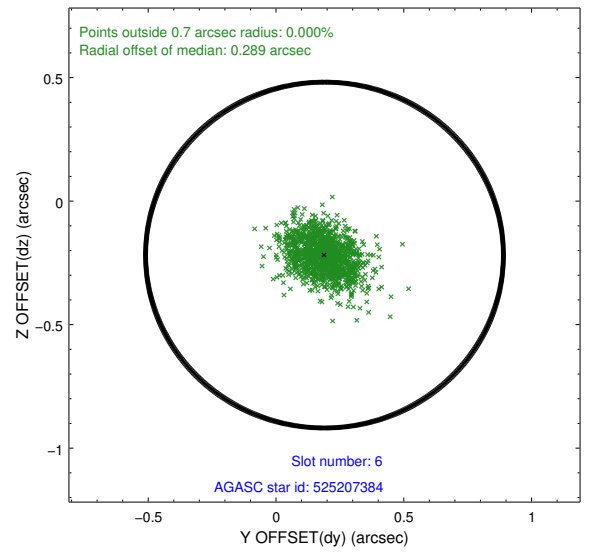
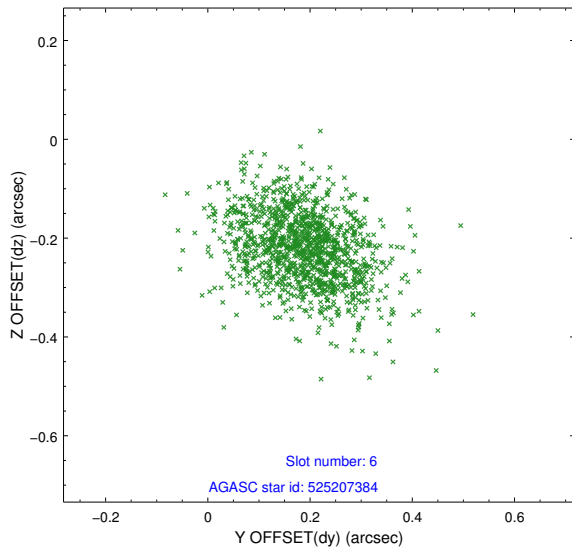
2.4.2 Slot 4



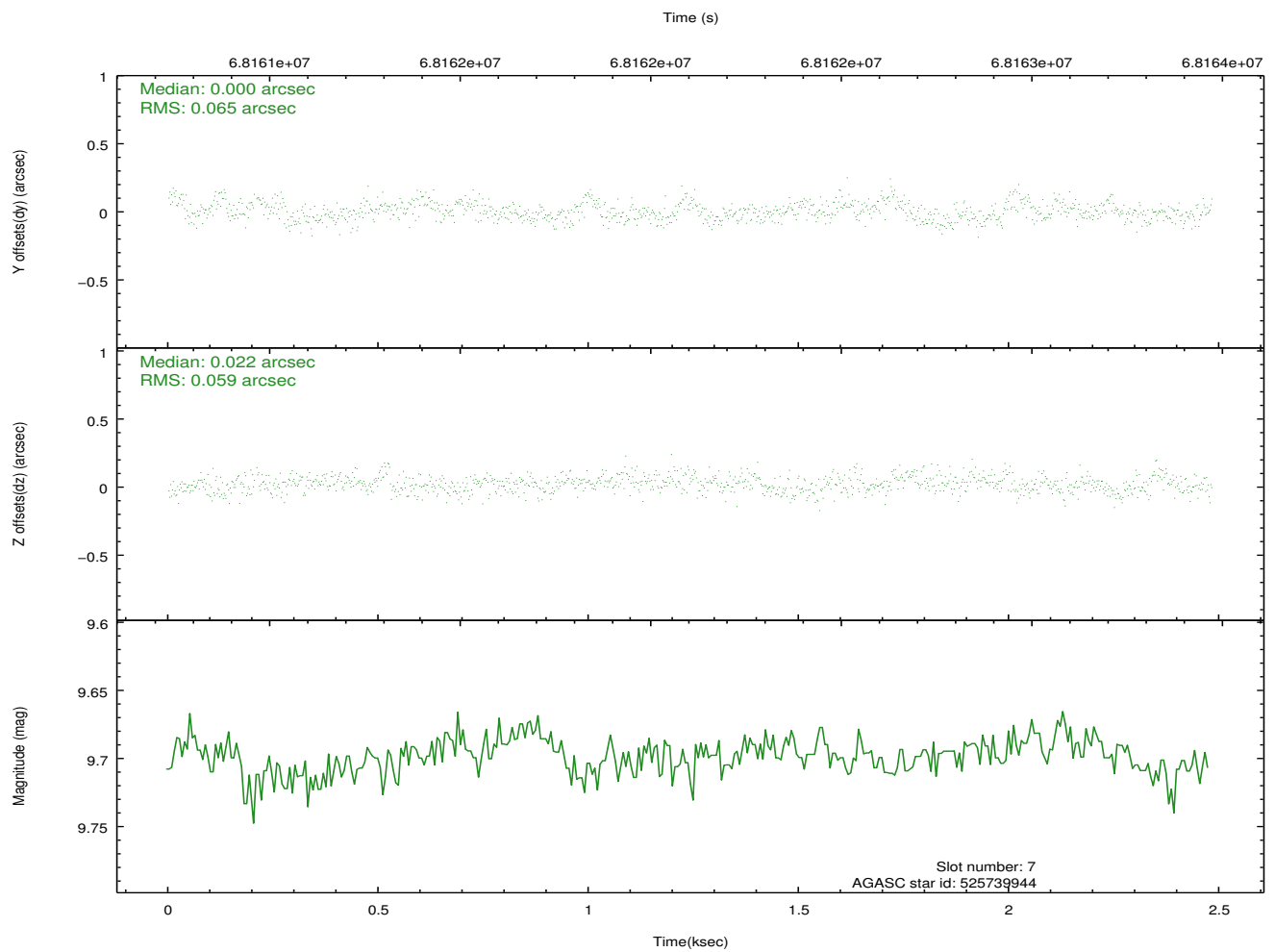
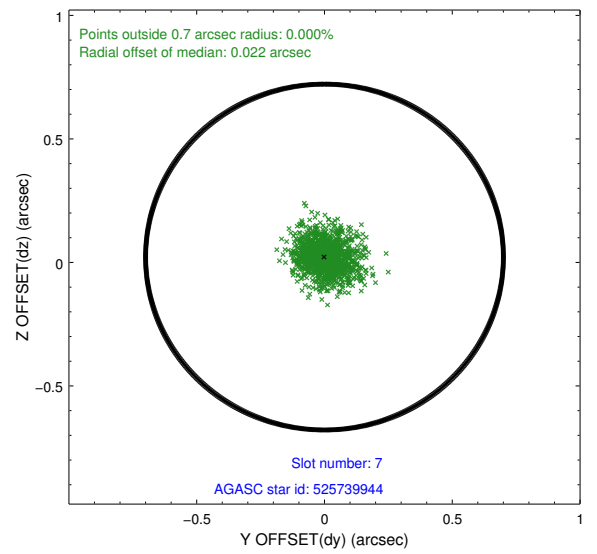
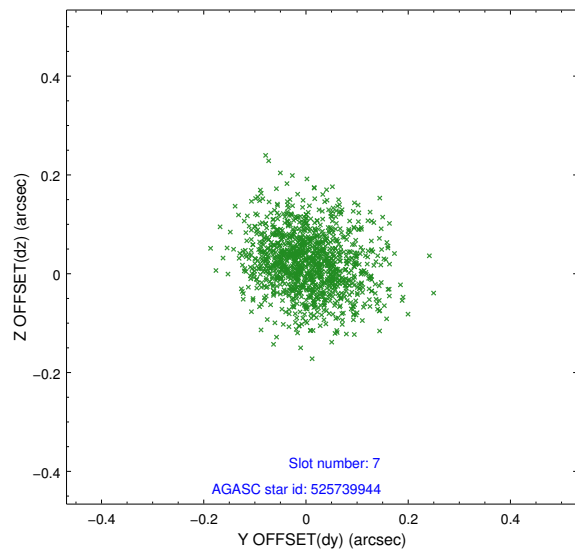
2.4.3 Slot 5



2.4.4 Slot 6

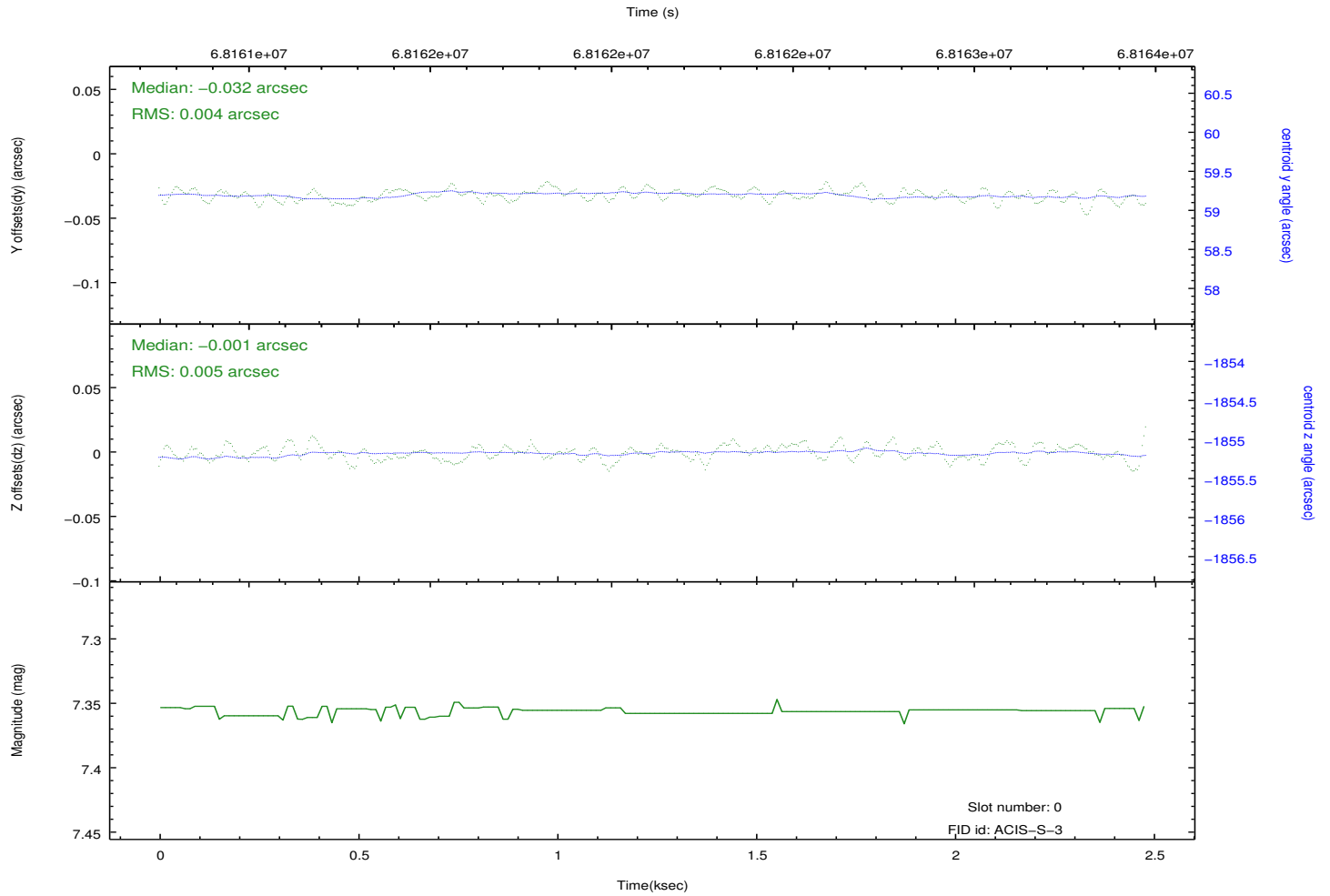
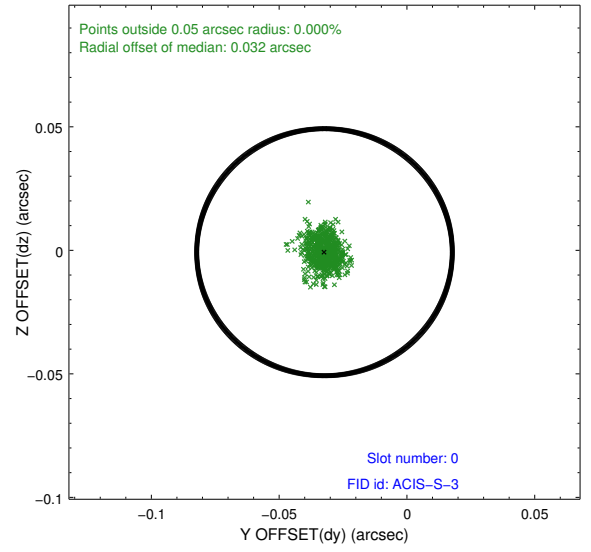
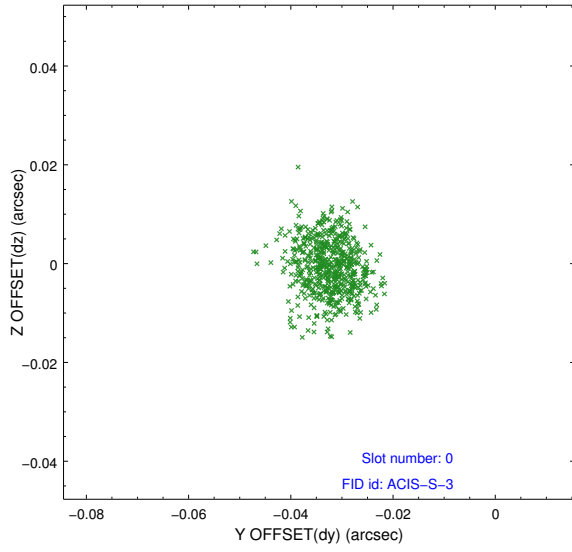


2.4.5 Slot 7

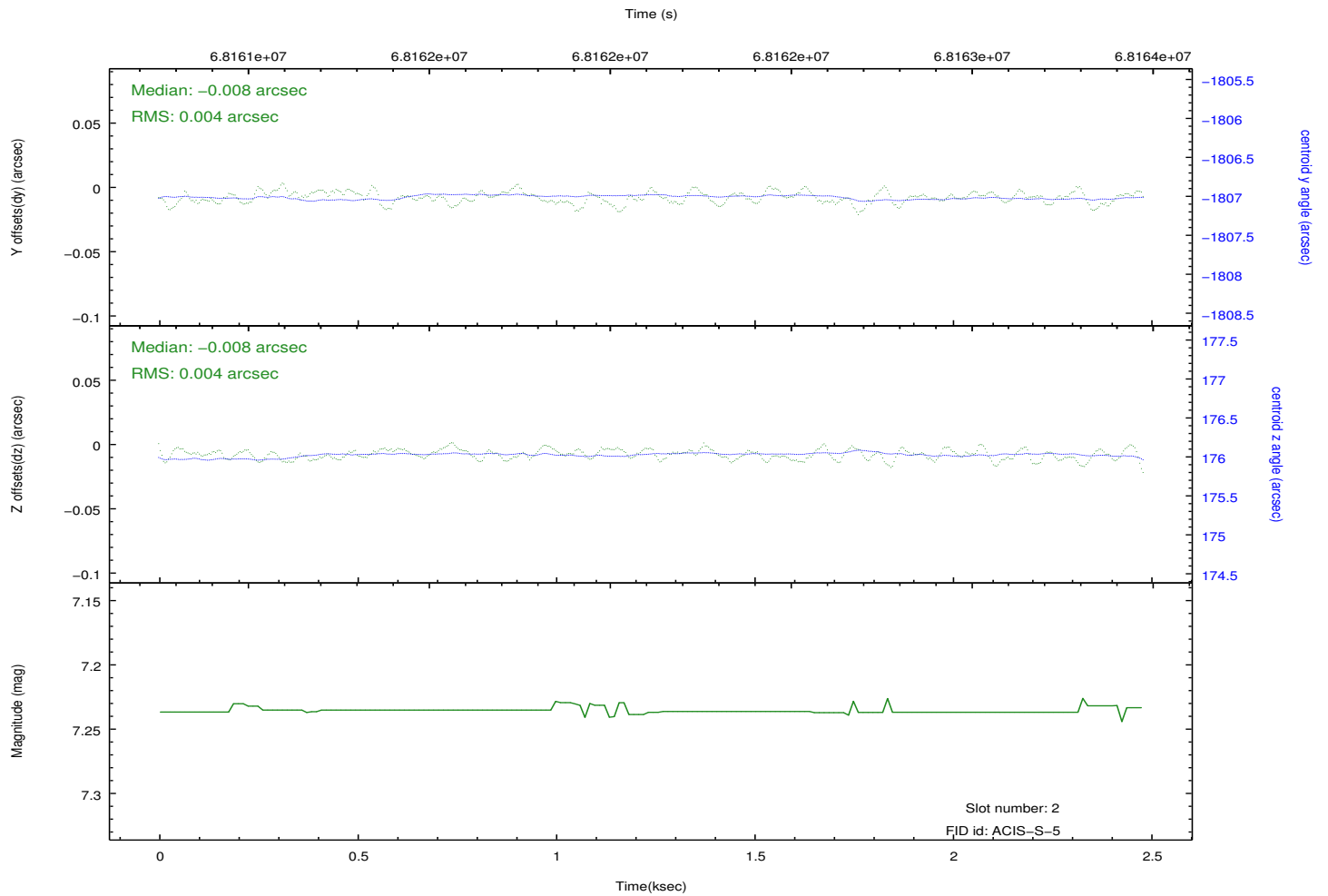
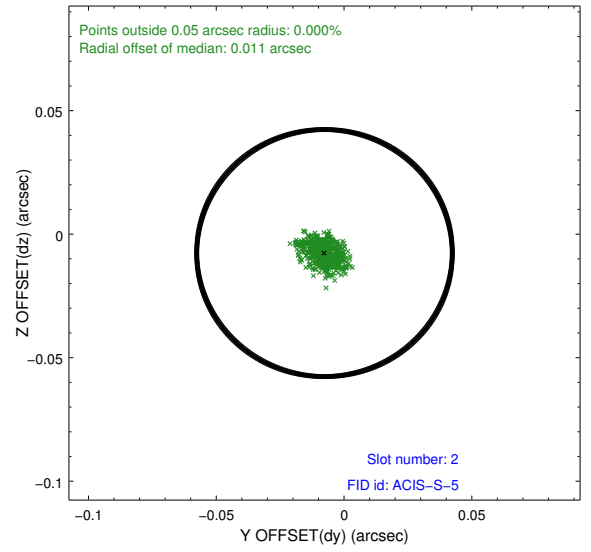
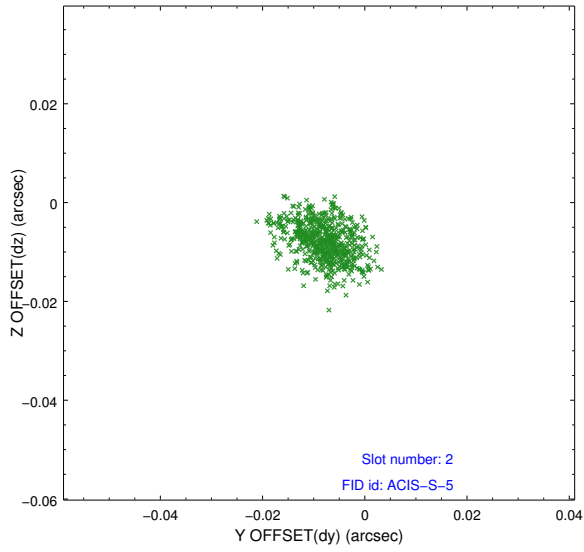


2.5 FID Slots

2.5.1 Slot 0



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.24
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	0.984

A.2 Comments

Charge time for this ObsId remains at previous value of 0.984 ks although with the current processing the charge time would have been 0.971 ksec. Window constraint met.