

V&V Reference Report

L2 ASCDS Version : 8.4.5

Observation 4905 - L2 Version 3
Chandra X-Ray Center

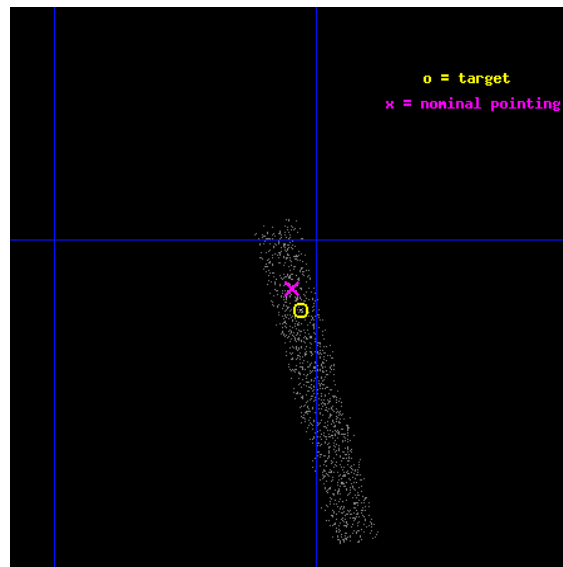
L2 Processing Date : Nov 8 2012

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1 Front

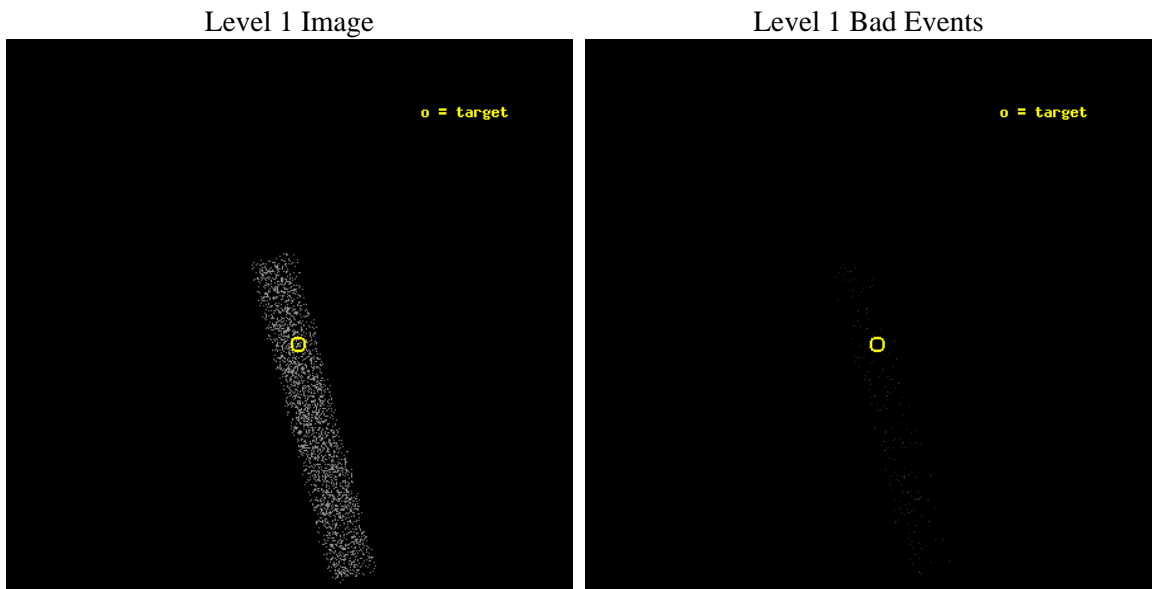
seq_num	700986	Sequence number
obs_id	4905	Observation id
title	The X-ray Spectra of Red Quasars	Proposal title
observer	Dr Mark Lacy	Principal investigator
object	FTM 0915+2418	Source name
dtcycle	0	
cycle	P	events from which exps? Prim/Second/Both
ra_targ	138.757083	Observer's specified target RA [deg]
dec_targ	24.303389	Observer's specified target Dec [deg]
ra_nom	138.76152072911	Nominal RA [deg]
dec_nom	24.312372559245	Nominal Dec [deg]
roll_nom	75.518000967422	Nominal Roll [deg]
revision	3	Processing version of data
ontime	3533.6000526249	Sum of GTIs [s]
livetime	3204.7887290268	Livetime [s]
ontime7	3533.6000526249	Sum of GTIs [s]
l2events	1428	Number of level 2 events



2 OBI

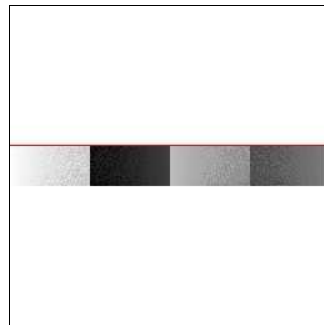
2.1 OBI

2.1.1 Images



2.1.2 Bias

Chip 7



2.1.3 Parameters

obi_num	5	Obi number	sched_exp_time	2934.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	3533.6000526249	Sum of GTIs [s]
caldbver	4.5.2	 	ontime7	3533.6000526249	Sum of GTIs [s]
date	2012-11-08T07:35:52	Date and time of file creation	l1events	3437	Number of level 1 events
revision	3	Processing version of data			

2.1.4 Events

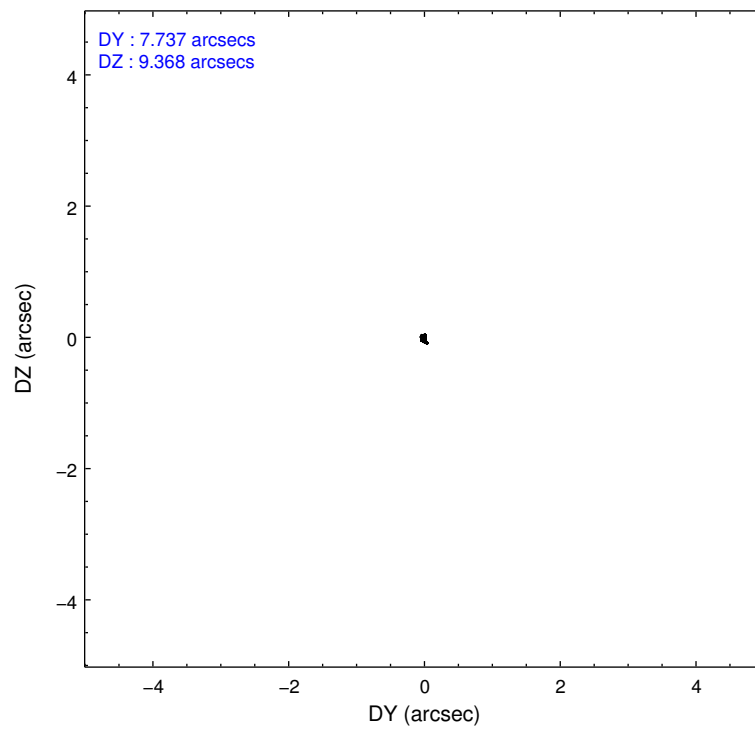
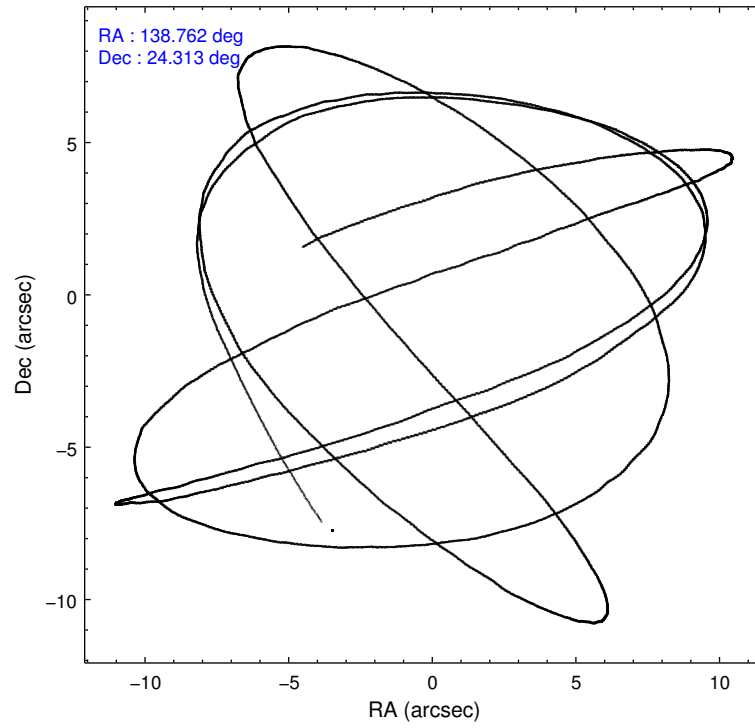
	ccd 7
level 1 events	3437
rejected events	1943
rejected %	56%

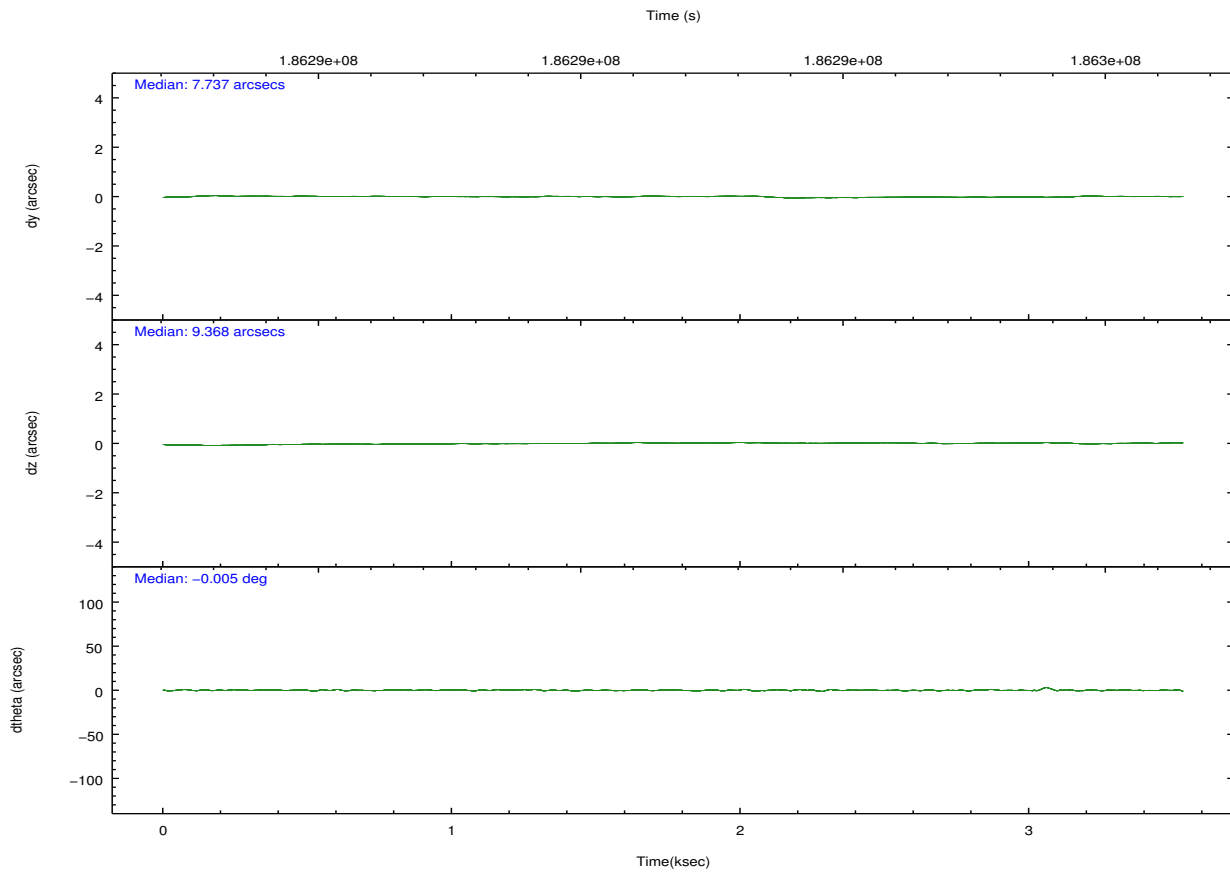
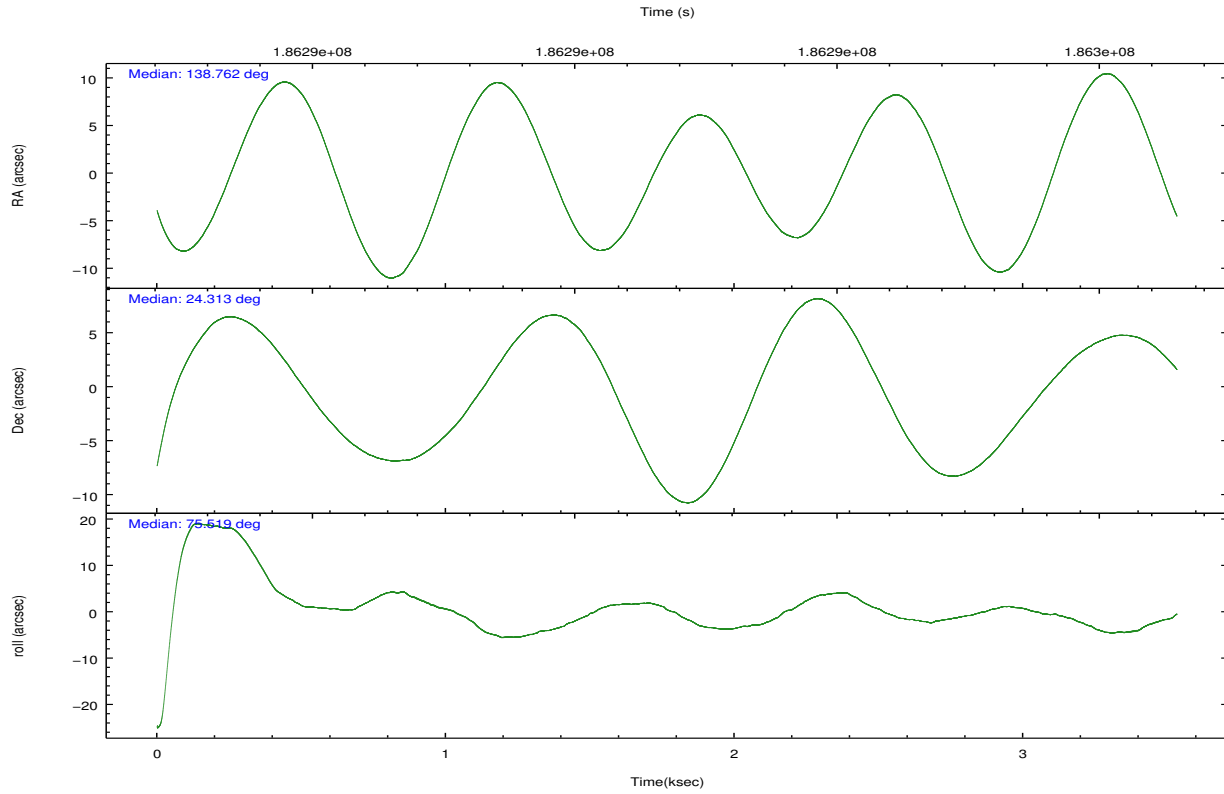
	ccd 7
grade 0 events	180
	5%
grade 1 events	5
	0%
grade 2 events	297
	8%
grade 3 events	220
	6%
grade 4 events	202
	5%
grade 5 events	320
	9%
grade 6 events	703
	20%
grade 7 events	1510
	43%

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	138.769874	138.7615207291142	Subarray requested	CUSTOM	1/8
[deg] Pointing Dec	24.286043	24.31237255924454	Subarray start row	449	449
[deg] Pointing Roll	75.358085	75.5180009674218	Subarray row count	128	128
[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	0.4
[mm] SIM translation stage pos	-190.132523	-190.1425803651734			
[mm] SIM translation stage offset	0	0.01005778216563158			
[s] Observation start time (MET)	186292185.184000	186291014.1172			
Observation start date	2003-11-27T03:48:41	2003-11-27T03:30:14			
[s] Observation end time (MET)	186295119.184000	186295751.15491			
Observation end date	2003-11-27T04:37:35	2003-11-27T04:49:11			
Read mode	TIMED	TIMED			

2.3 Aspect



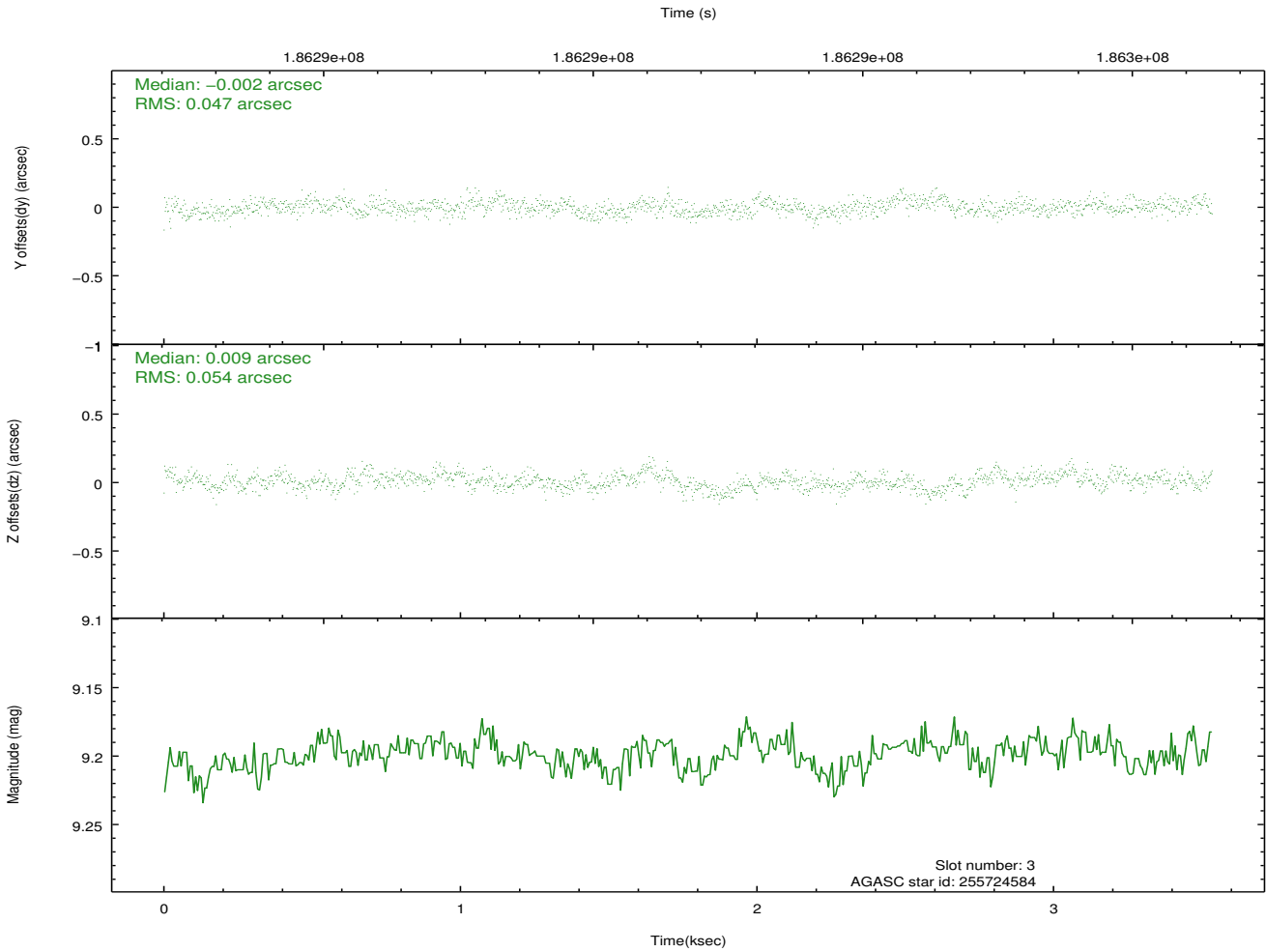
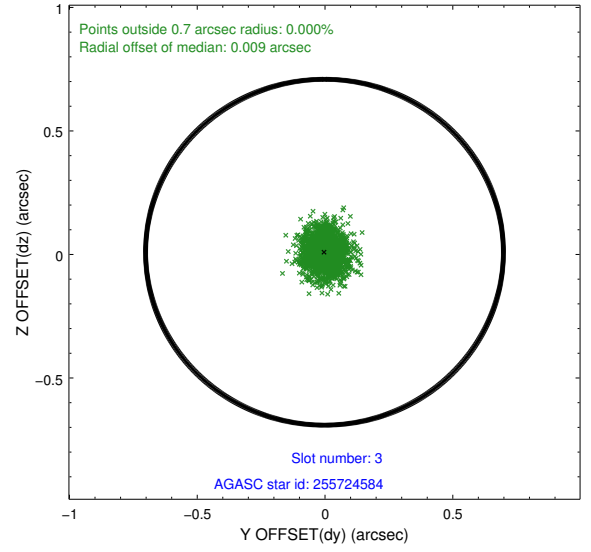
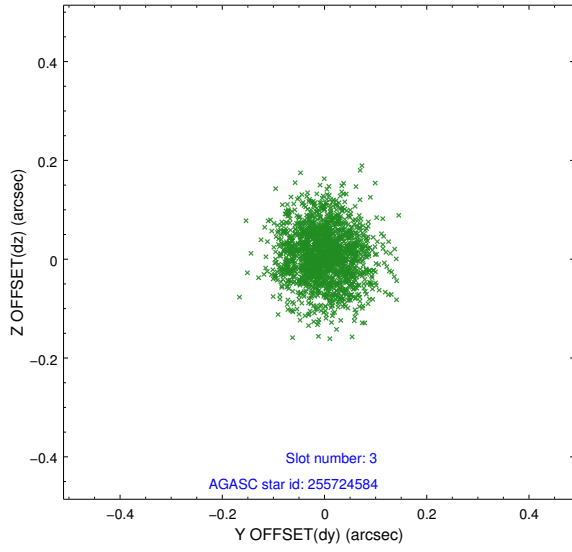


Slot Statistics

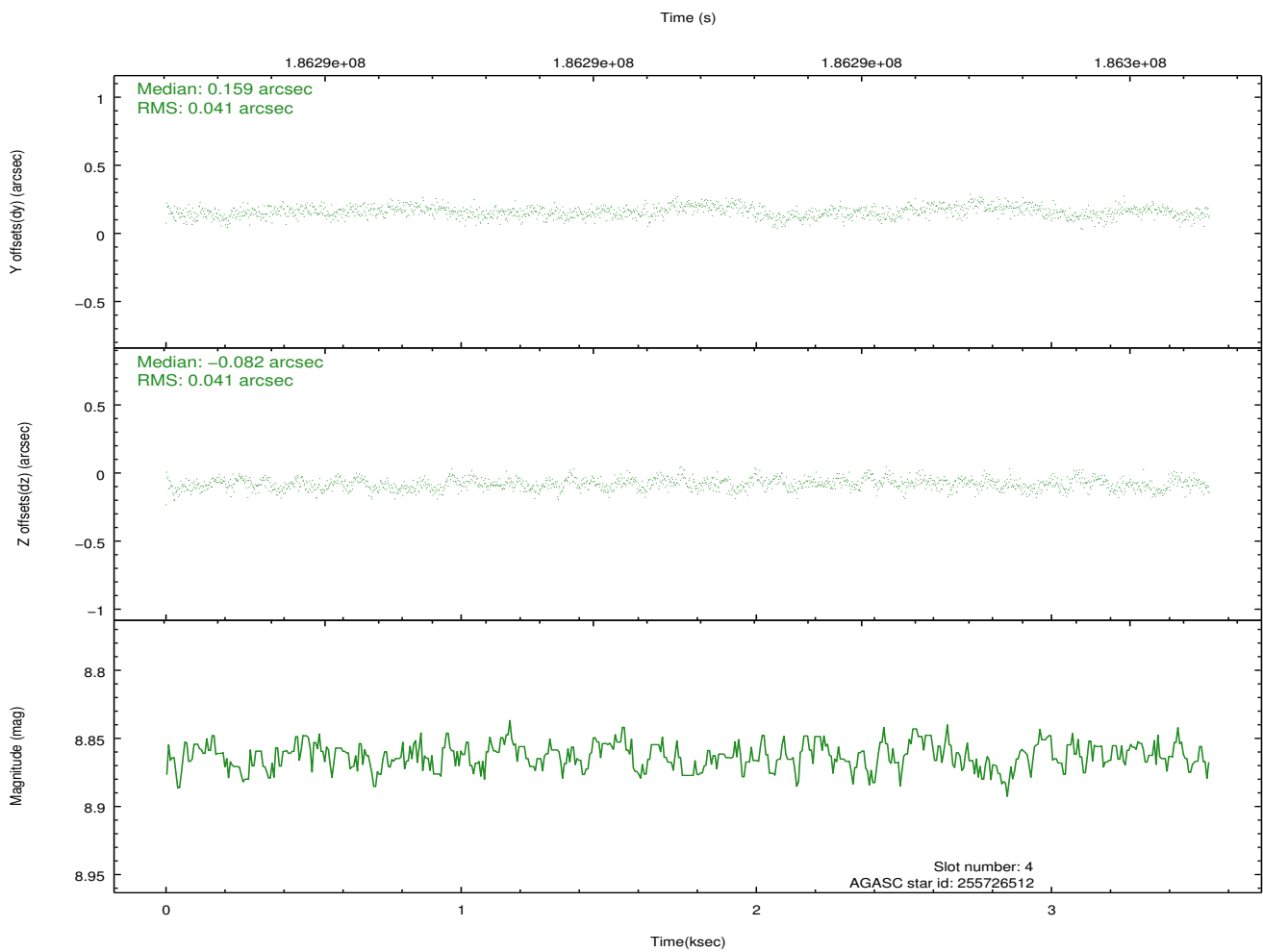
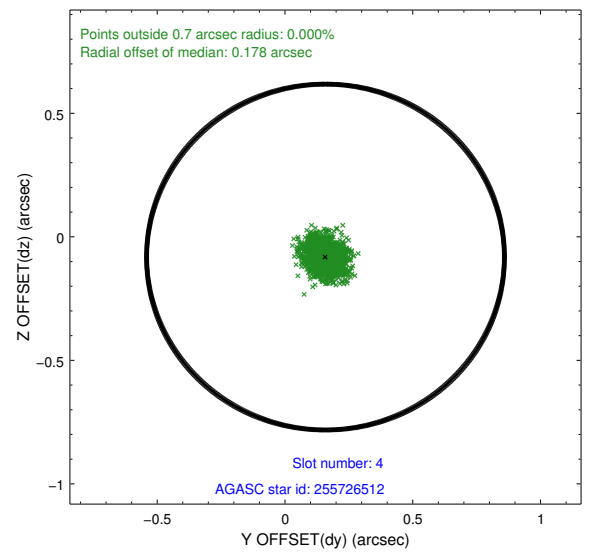
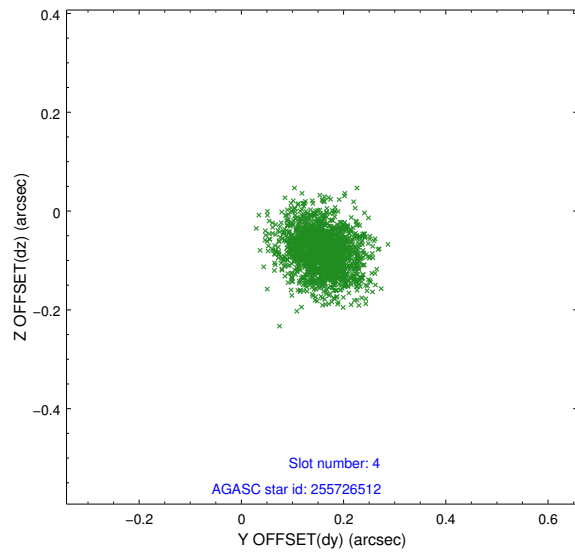
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.10	862	-0.027	-0.033	0.006	0.010	0.000000	0.000000	-760.51	-1730.58
1	FID	ACIS-S-4	7.20	862	0.081	0.022	0.005	0.009	0.000000	0.000000	2152.04	176.15
2	FID	ACIS-S-5	7.23	863	-0.085	0.019	0.006	0.011	0.000000	0.000000	-1811.14	171.80
3	GUIDE	255724584	9.20	1725	-0.002	0.009	0.076	0.124	138.550926	24.704812	1277.49	1073.94
4	GUIDE	255726512	8.86	1725	0.159	-0.082	0.062	0.103	138.684706	24.278461	-96.79	263.98
5	GUIDE	255726832	7.44	1725	0.048	-0.022	0.058	0.092	138.387922	24.293243	-290.71	1219.72
6	GUIDE	255730840	9.56	1725	0.174	0.178	0.119	0.188	138.845403	23.769978	-1735.18	-709.49
7	GUIDE	256127096	6.70	1724	-0.387	-0.078	0.048	0.081	138.616049	25.011496	2398.02	1145.24

2.4 Star Slots

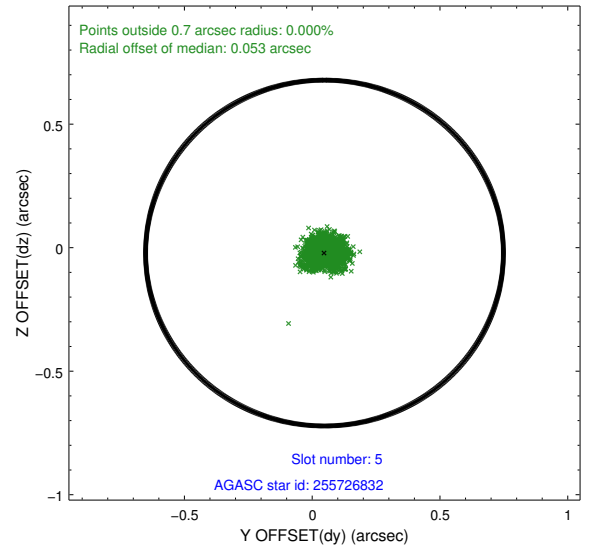
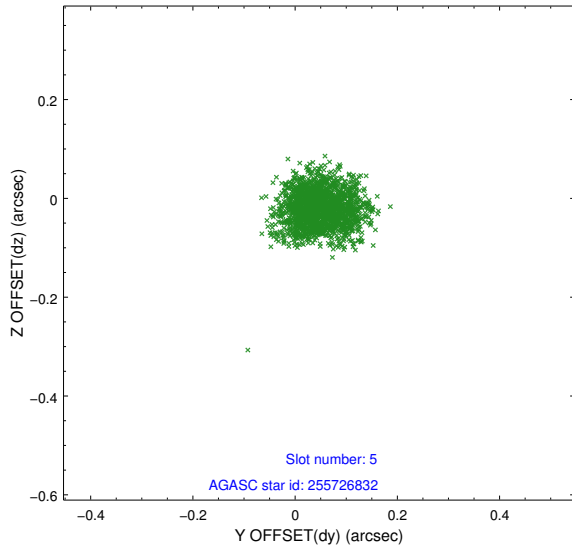
2.4.1 Slot 3



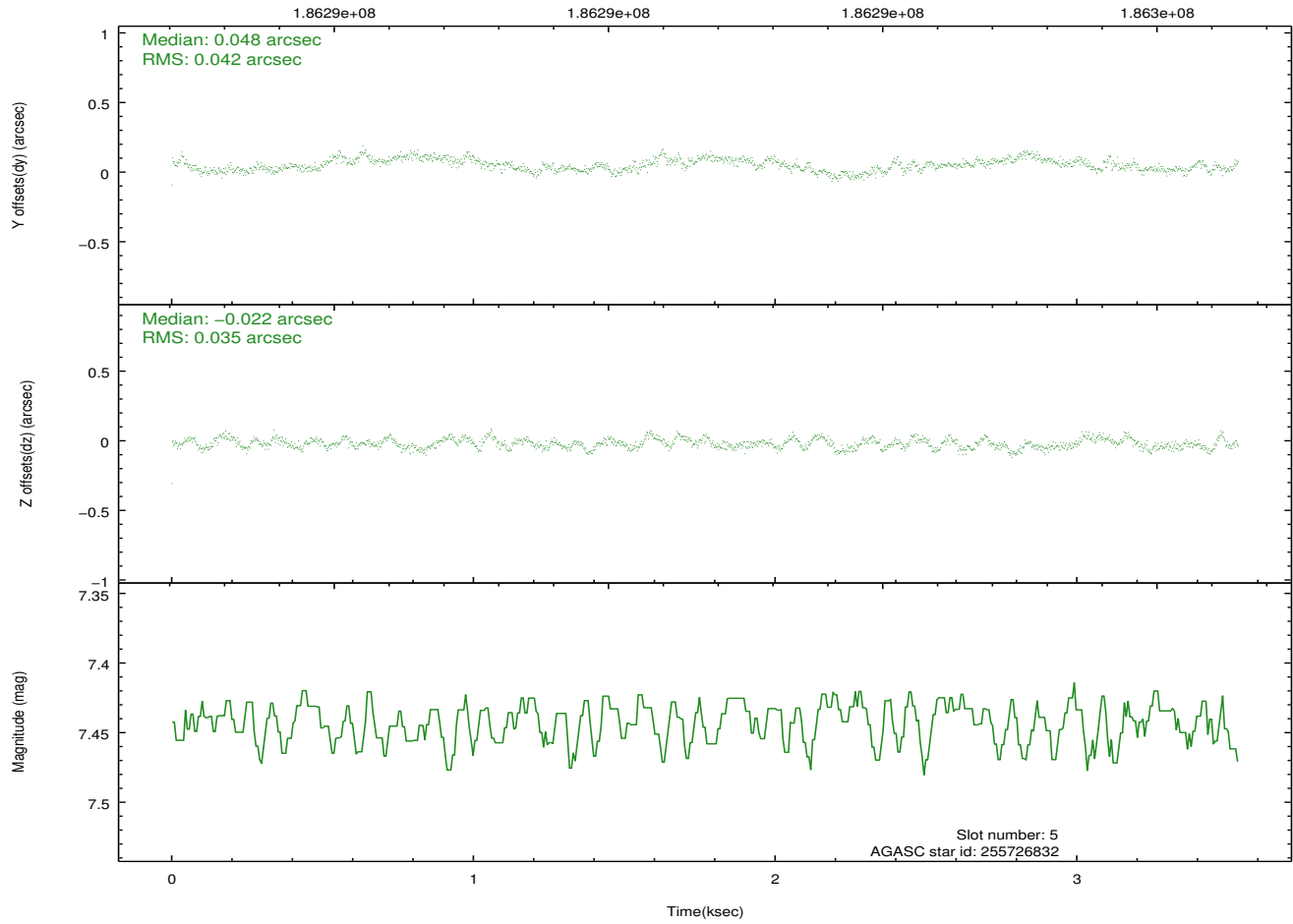
2.4.2 Slot 4



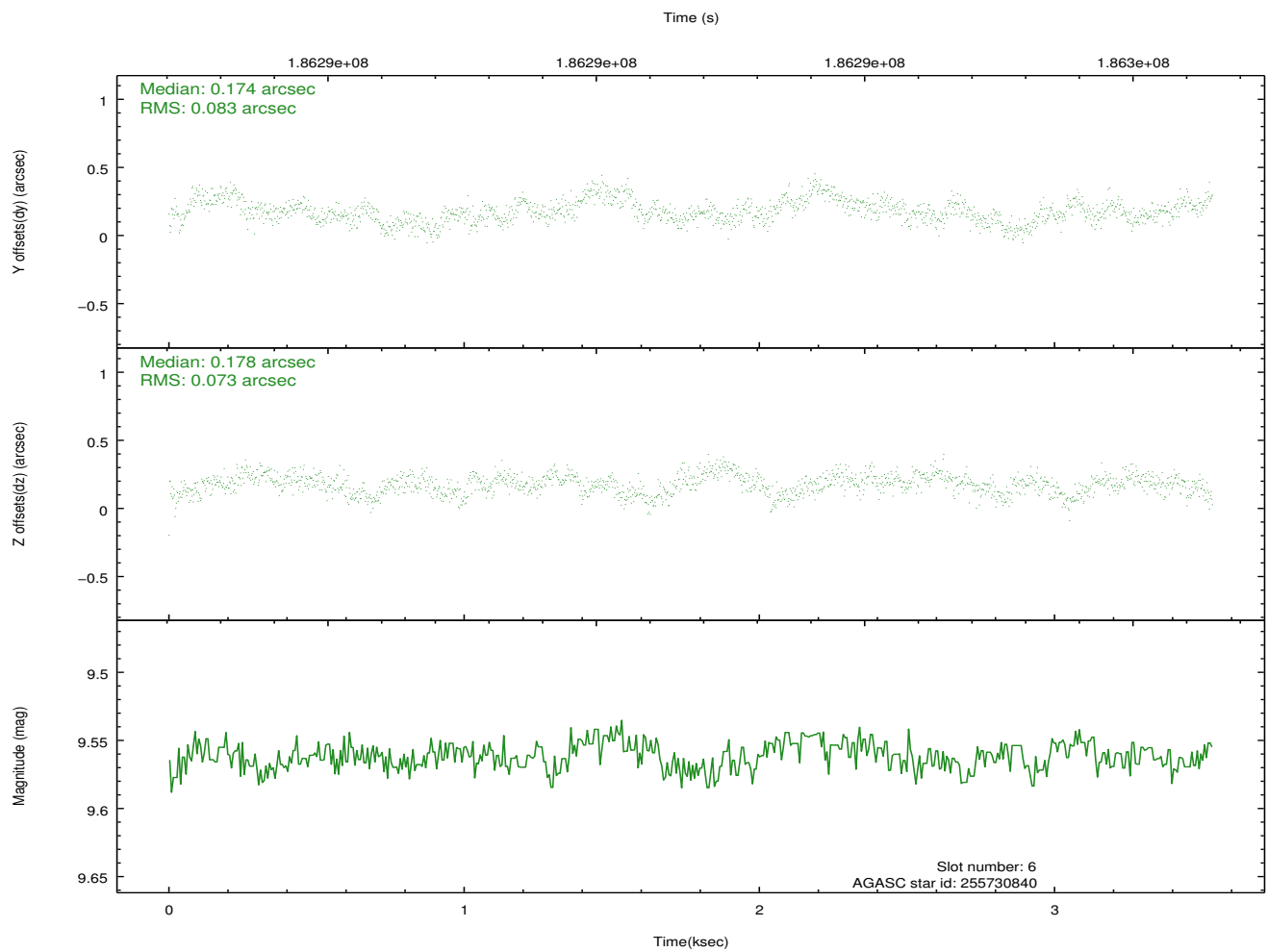
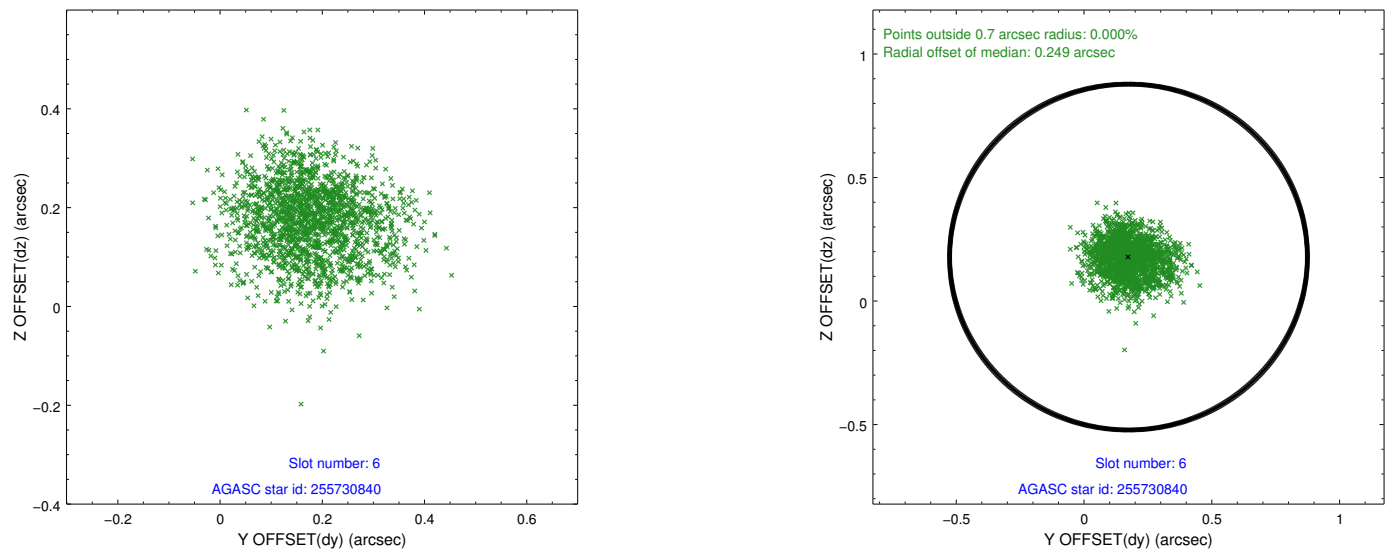
2.4.3 Slot 5



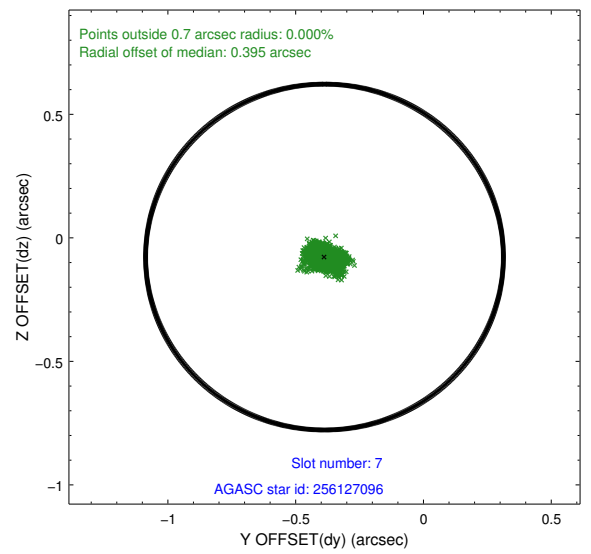
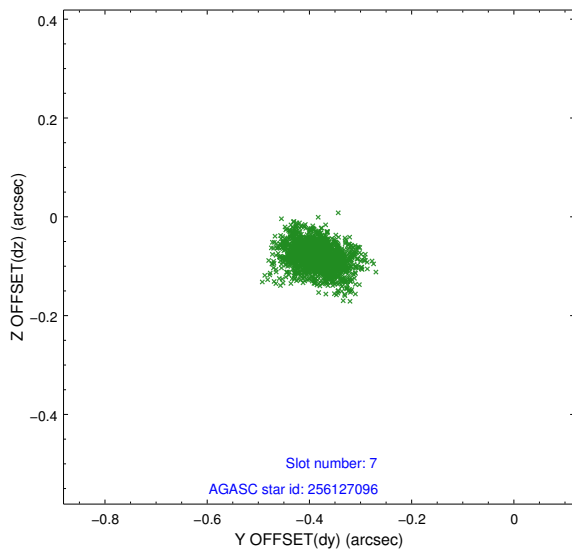
Time (s)



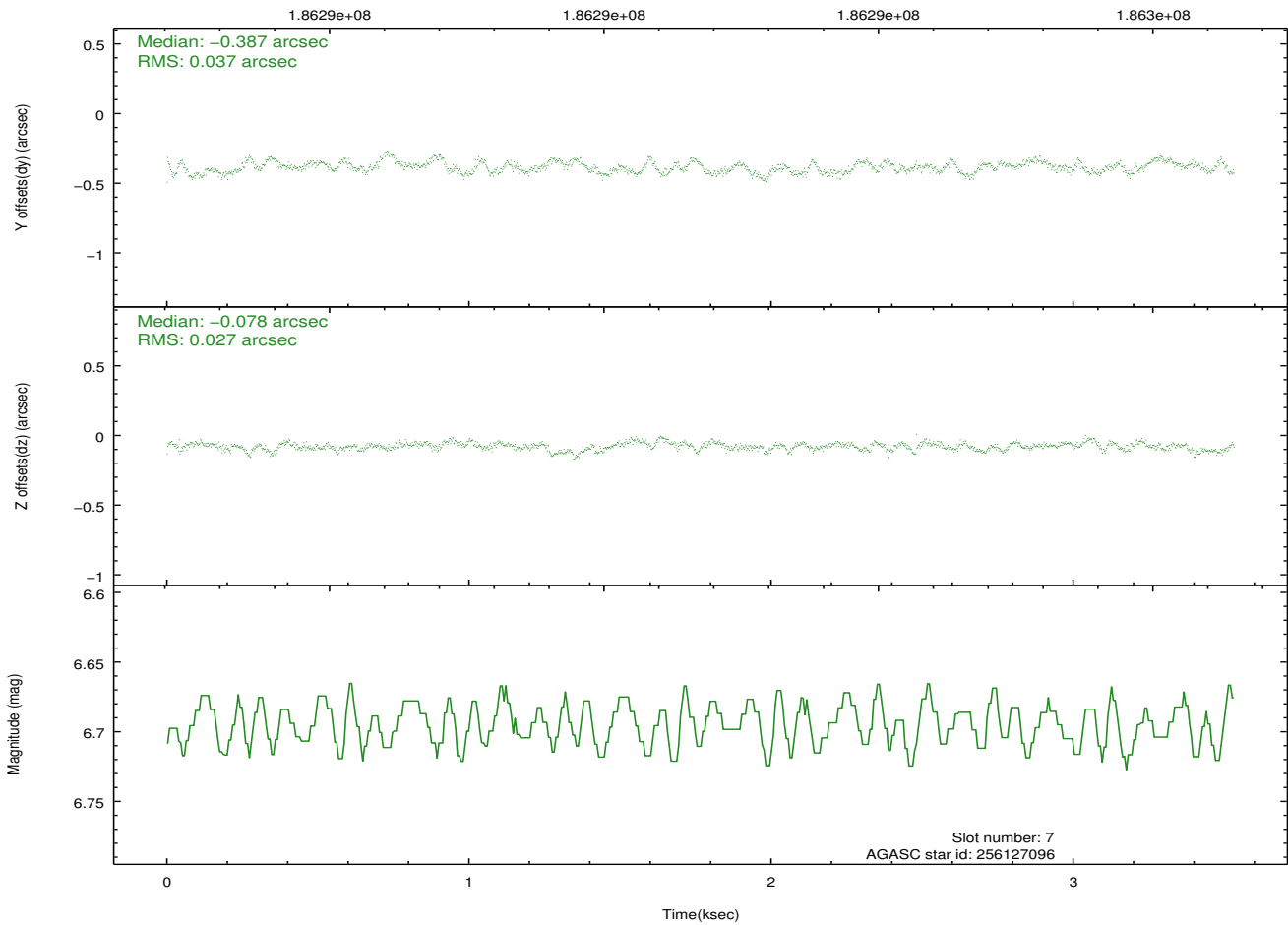
2.4.4 Slot 6



2.4.5 Slot 7

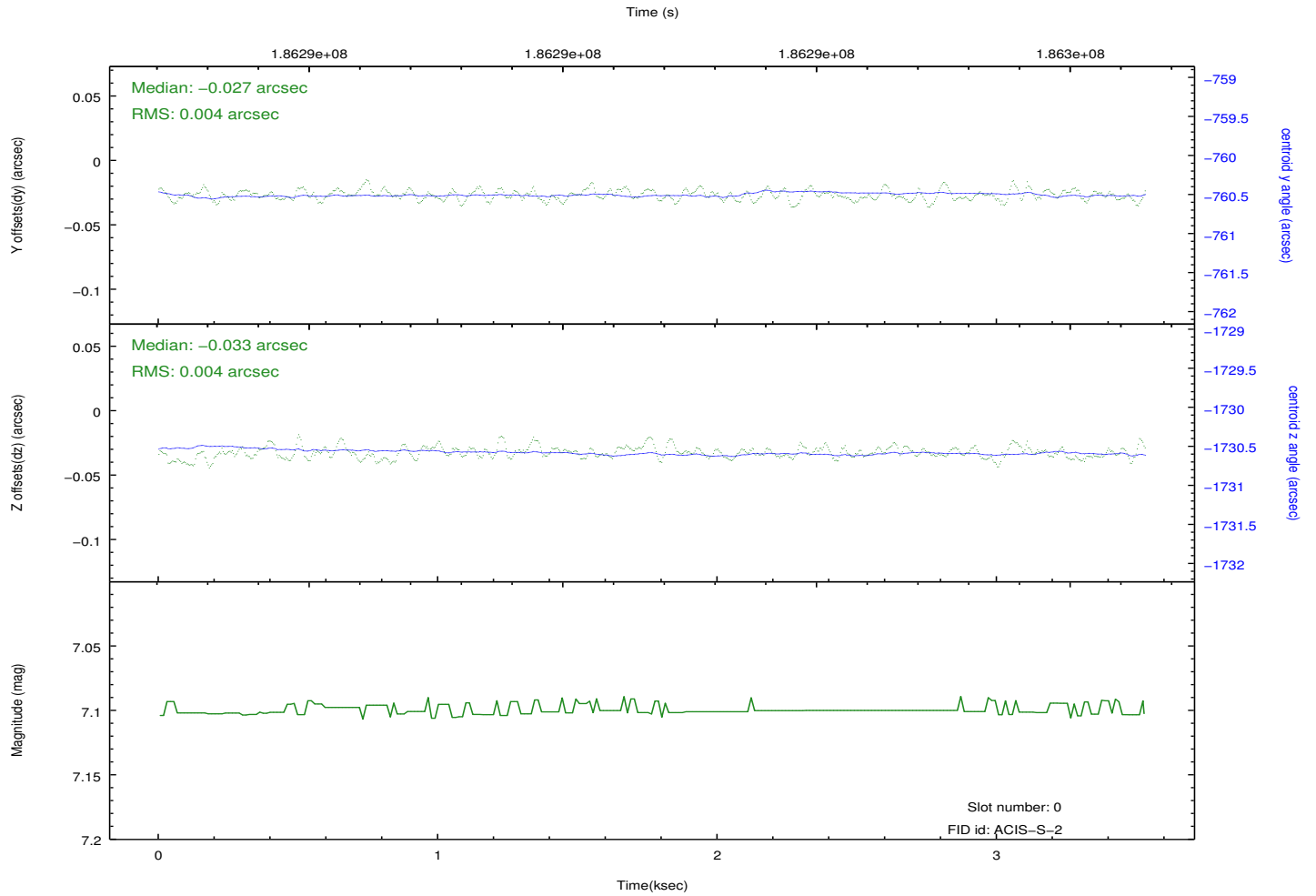
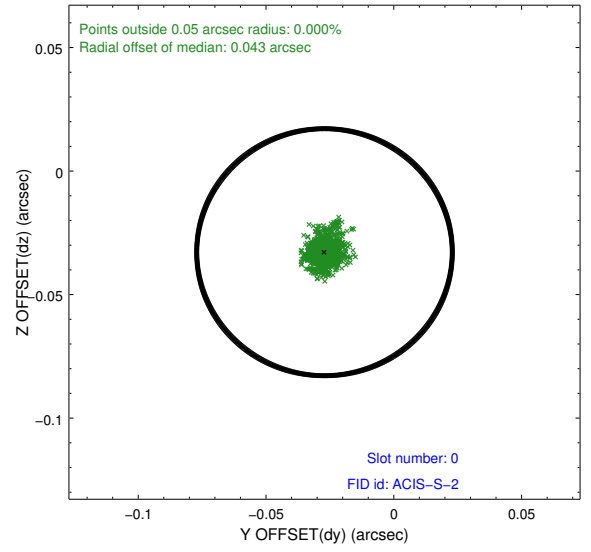
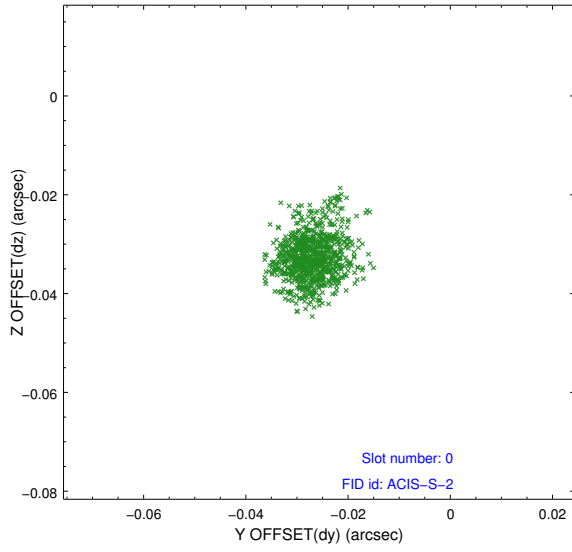


Time (s)

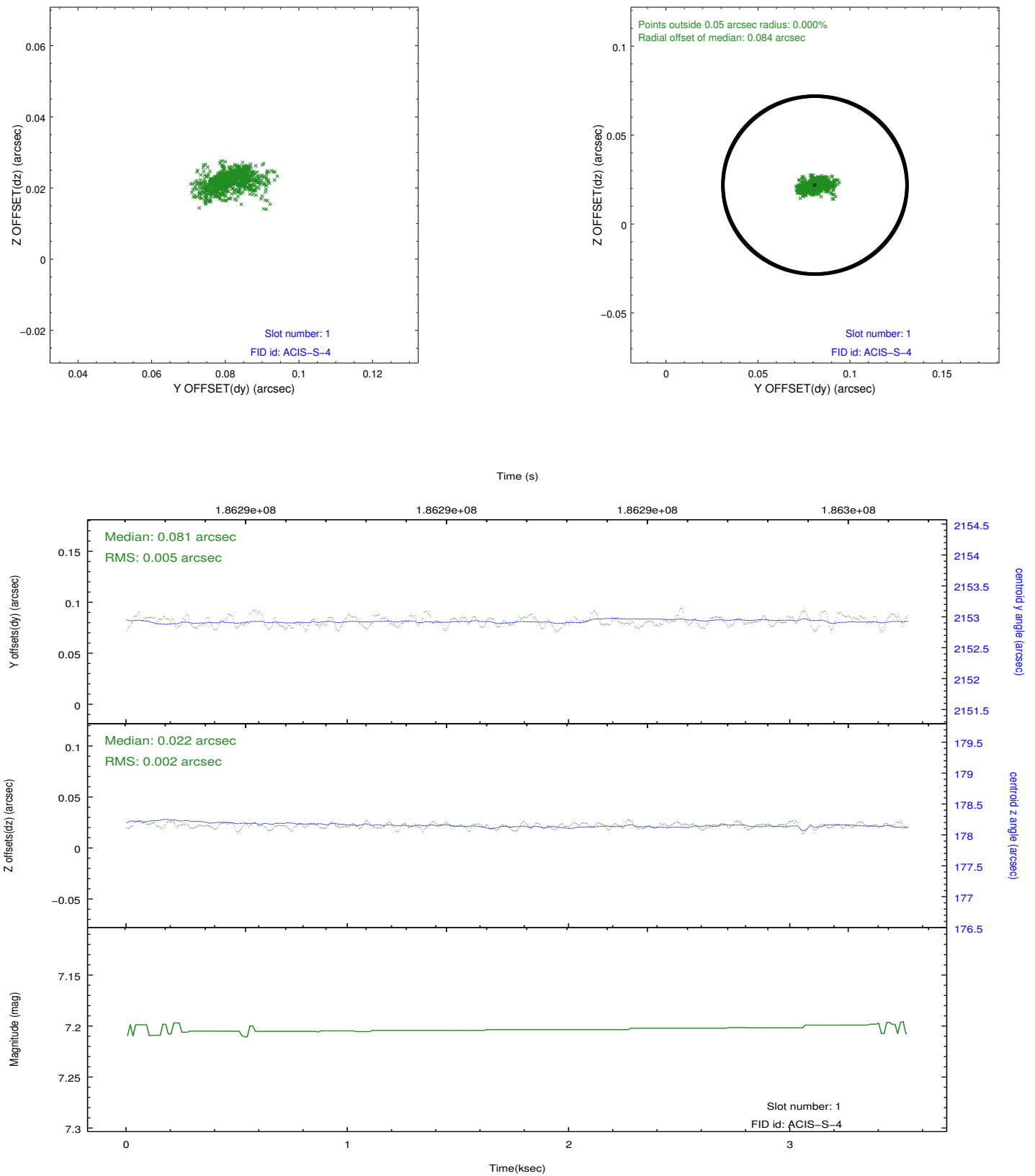


2.5 FID Slots

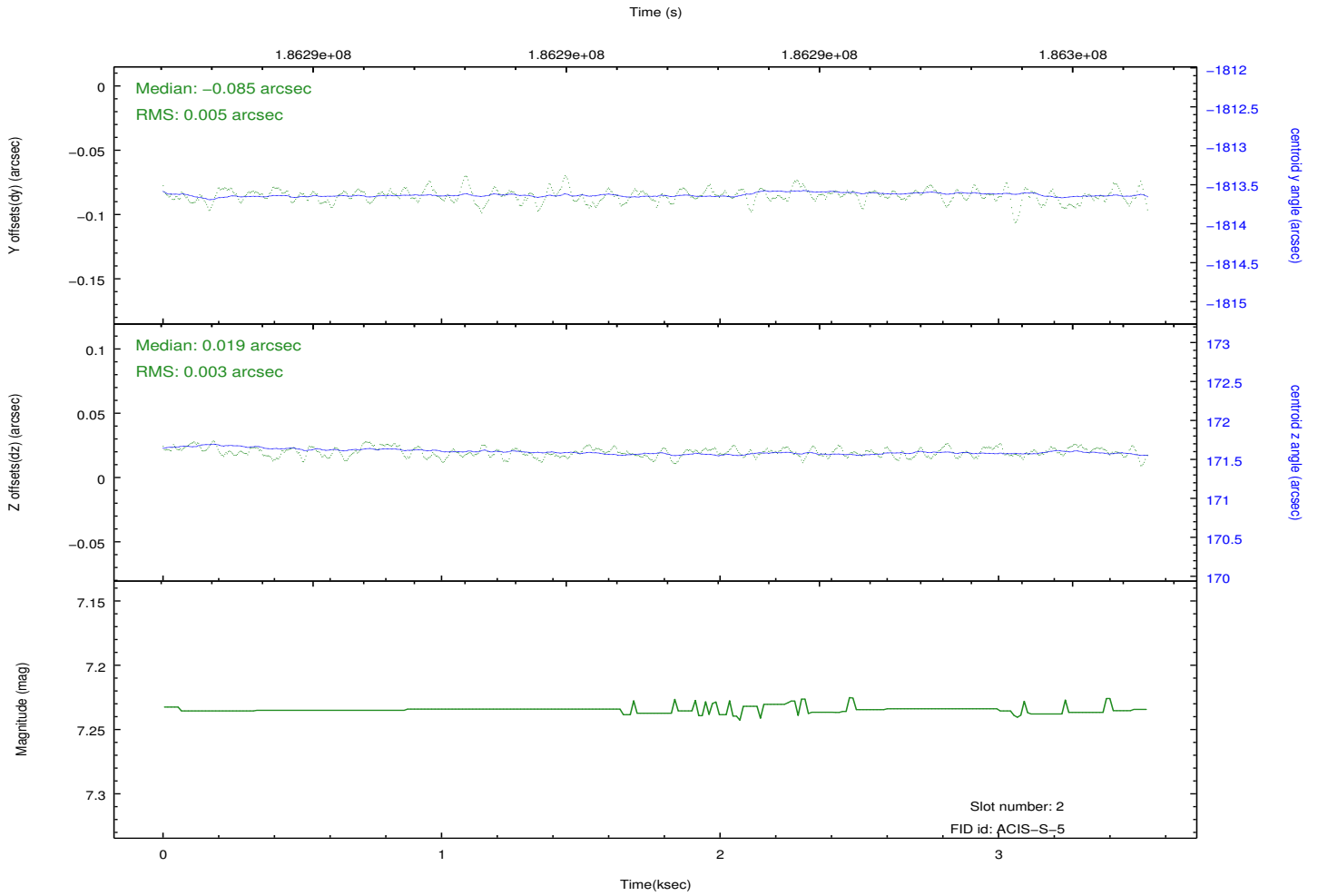
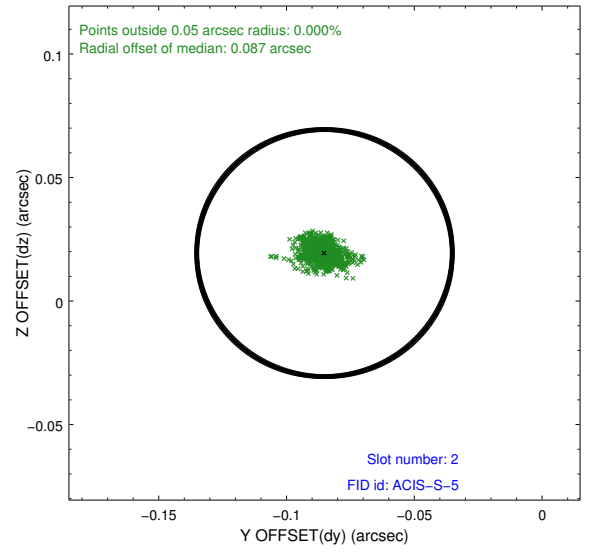
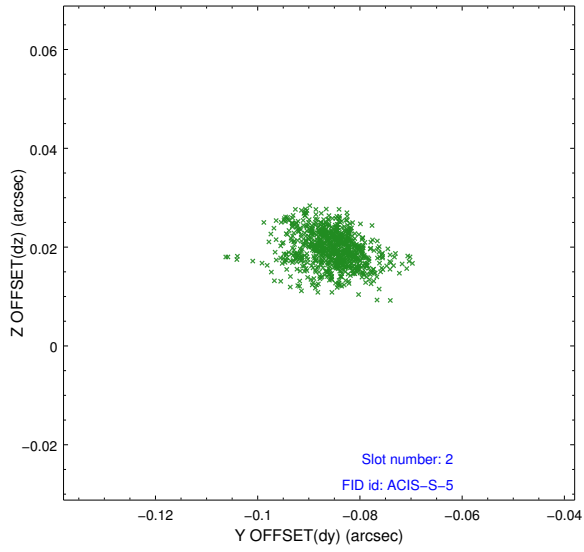
2.5.1 Slot 0



2.5.2 Slot 1



2.5.3 Slot 2



A Summary

A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.12.02
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	3.533

A.2 Comments