

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 71 - L2 Version 4  
Chandra X-Ray Center

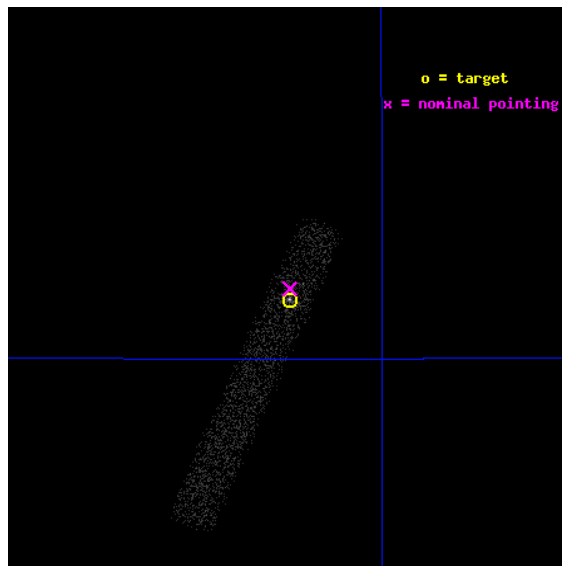
L2 Processing Date : Aug 24 2012

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# 1 Front

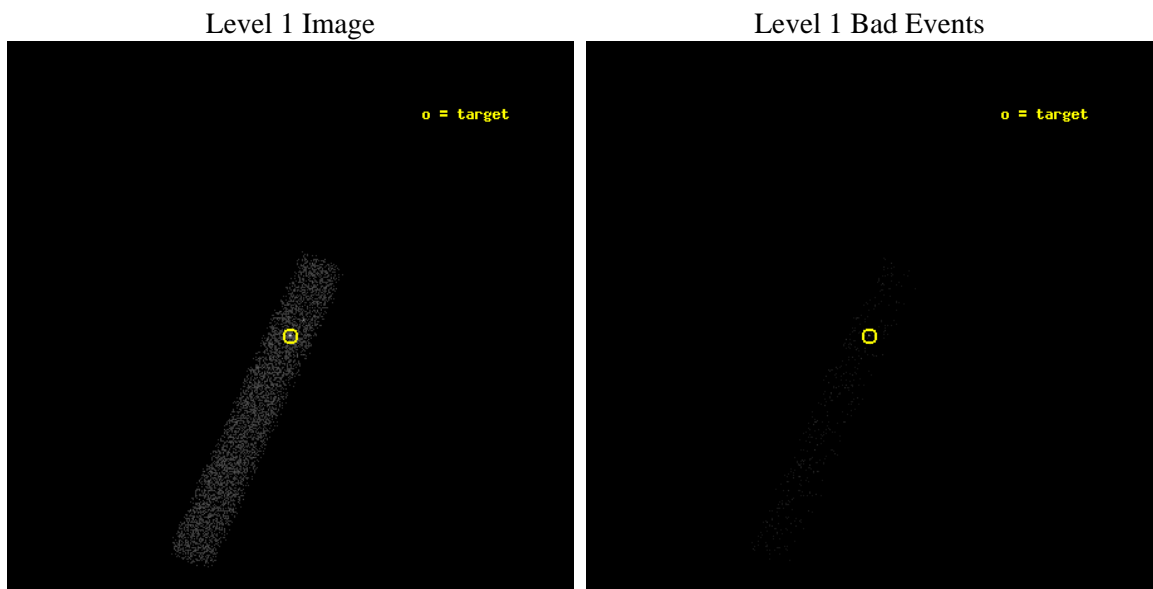
seq_num	790042	Sequence number
obs_id	71	Observation id
title	&#160	Proposal title
observer	Dr. CXC Calibration	Principal investigator
object	PG1634+706	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	248.620833	Observer's specified target RA [deg]
dec_targ	70.525556	Observer's specified target Dec [deg]
ra_nom	248.62073027324	Nominal RA [deg]
dec_nom	70.530237124528	Nominal Dec [deg]
roll_nom	114.30040295196	Nominal Roll [deg]
revision	4	Processing version of data
ontime	4857.5986252874	Sum of GTIs [s]
livetime	4405.5855480568	Livetime [s]
ontime7	4857.5986252874	Sum of GTIs [s]
l2events	4407	Number of level 2 events



## 2 OBI

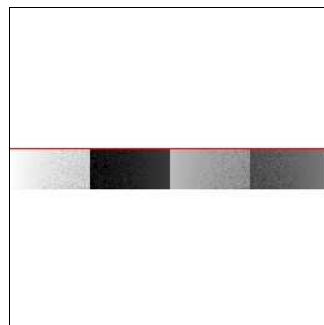
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	5000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	4857.5986252874	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime7	4857.5986252874	Sum of GTIs [s]
date	2012-08-24T16:16:03	Date and time of file creation	l1events	7427	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	7427
rejected events	2849
rejected %	38%

	<b>ccd 7</b>
grade 0 events	925
	12%
grade 1 events	22
	0%
grade 2 events	1014
	13%
grade 3 events	566
	7%
grade 4 events	541
	7%
grade 5 events	514
	6%
grade 6 events	1532
	20%
grade 7 events	2313
	31%

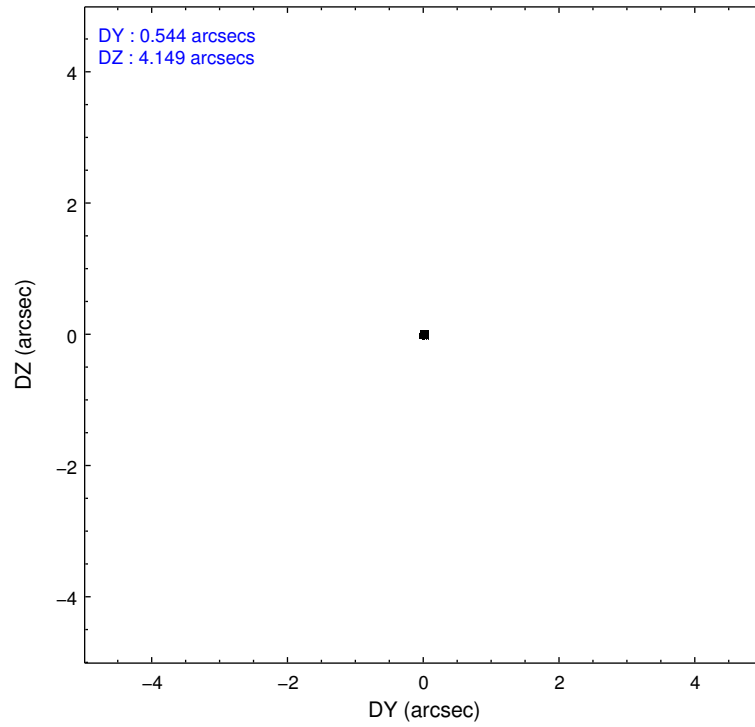
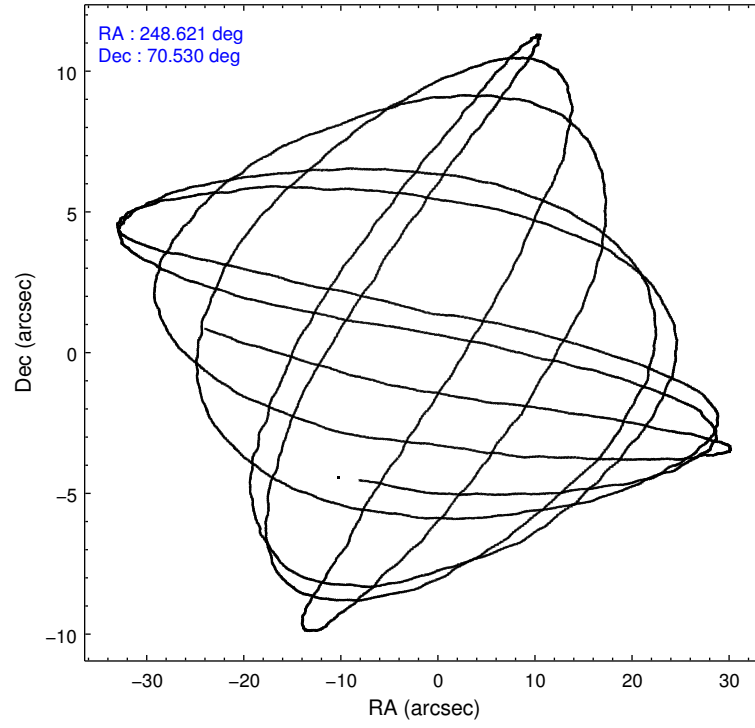


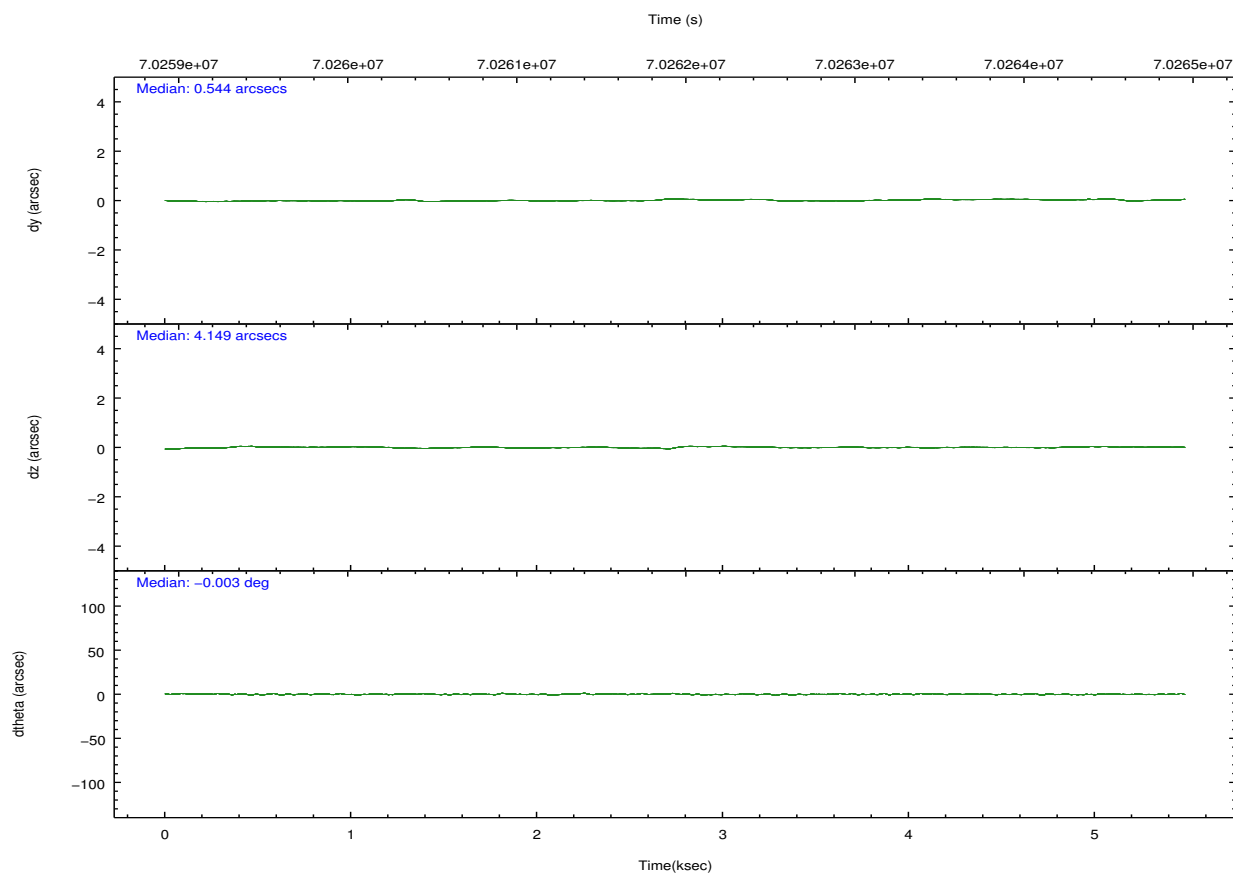
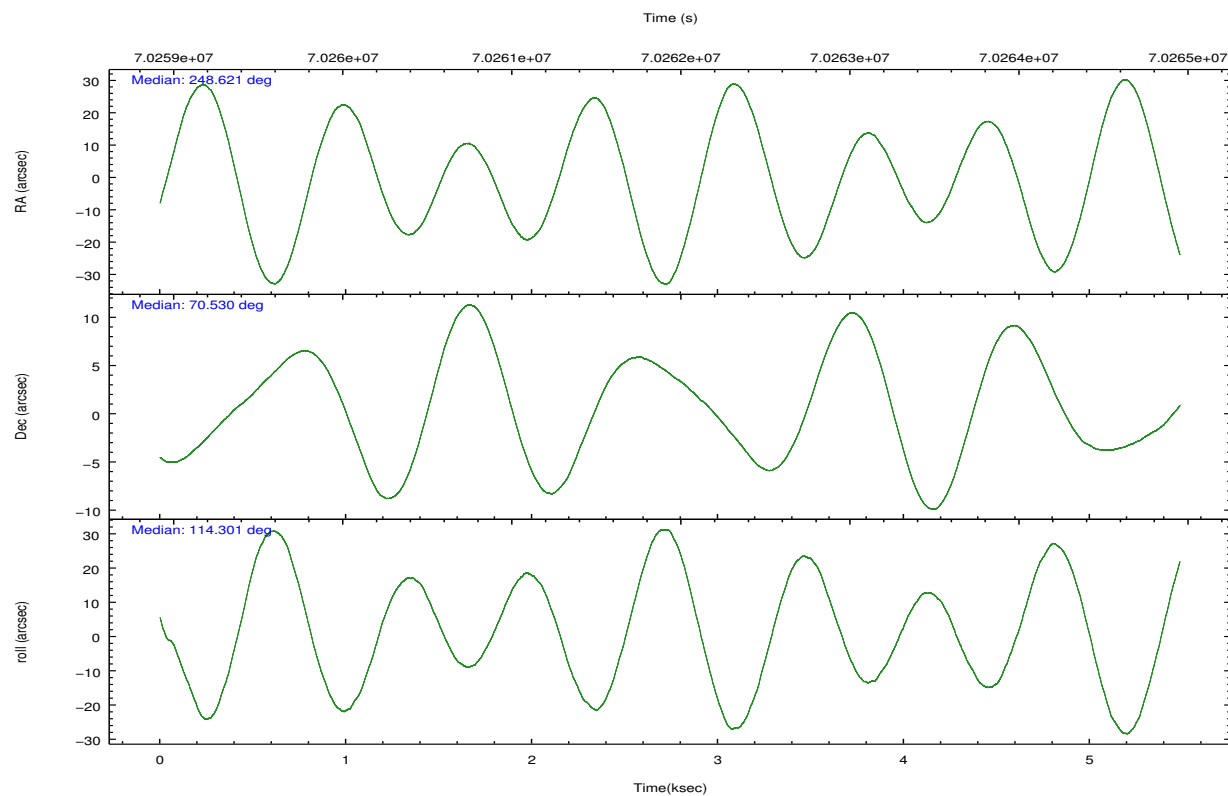
## 2.2 Compared Parameters

Parameter	Planned	Actual
Instrument	ACIS	ACIS
Detector	ACIS-7	ACIS-7
Grating	NONE	NONE
Data mode	FAINT	FAINT
Observation mode	POINTING	POINTING
[deg] Pointing RA	248.687392	248.6207302732423
[deg] Pointing Dec	70.514300	70.53023712452848
[deg] Pointing Roll	114.080932	114.3004029519631
[mm] SIM focus pos	-0.434267	-0.4390189047608676
[mm] SIM defocus	0.25	0.2452485565390287
[mm] SIM translation stage pos	-190.132523	-190.1425803651734
[mm] SIM translation stage offset	0	0.01005778216563158
[s] Observation start time (MET)	70259679.184000	70259012.763612
Observation start date	2000-03-24T04:33:35	2000-03-24T04:23:32
[s] Observation end time (MET)	70264679.184000	70265305.751342
Observation end date	2000-03-24T05:56:55	2000-03-24T06:08:25
Read mode	TIMED	TIMED

Parameter	Planned	Actual
Obspar format version number	7	7
Obspar file type	PREDICTED	ACTUAL
Obspar update status	NONE	UPDATED
Number of optional ACIS chips dropped	0	0
On-chip summing requested	N	N
Subarray requested	CUSTOM	1/8
Subarray start row	447	447
Subarray row count	128	128
Alternating exposures requested	N	N
[s] Primary exposure time	0.000000	0.4

## 2.3 Aspect



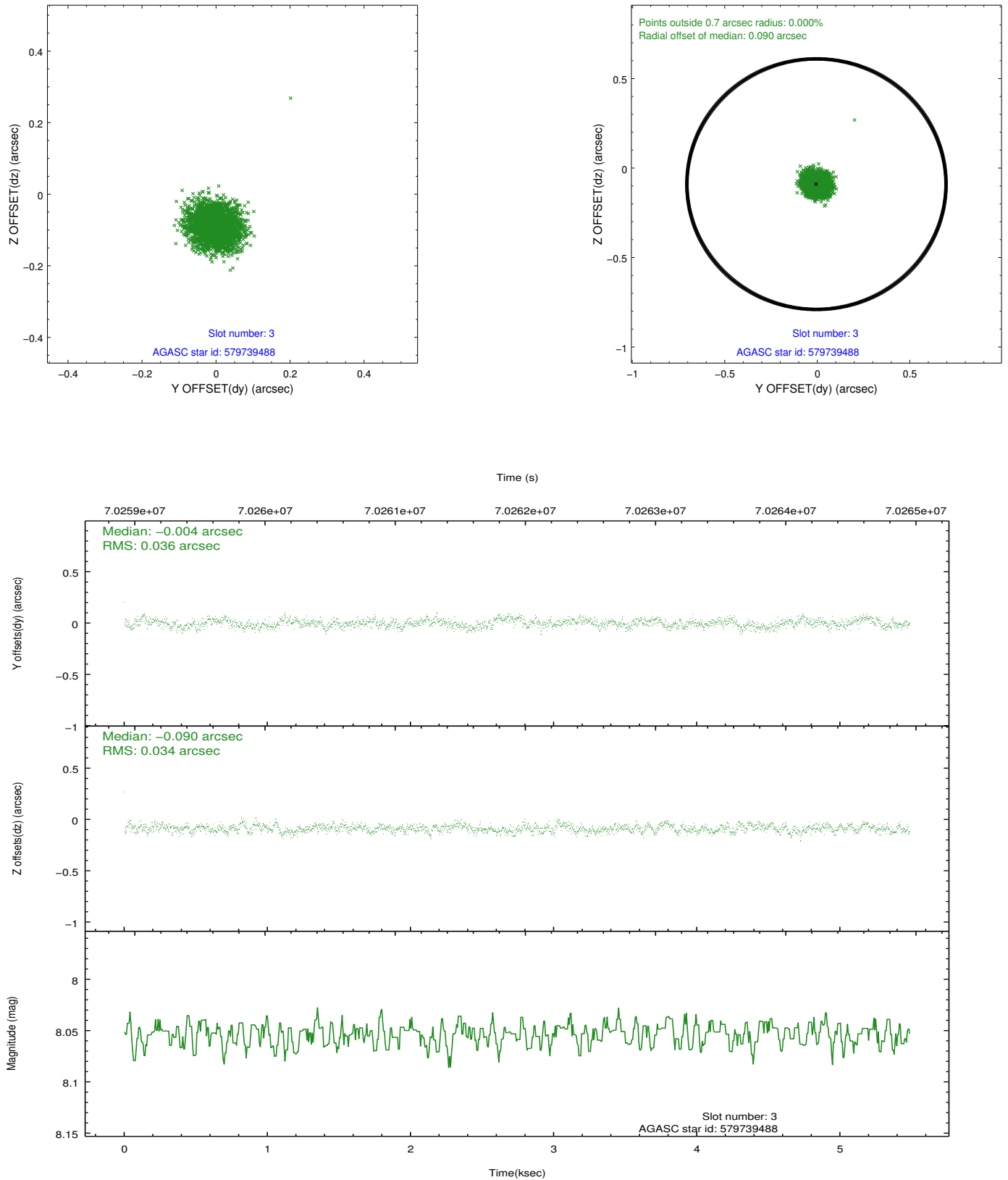


### Slot Statistics

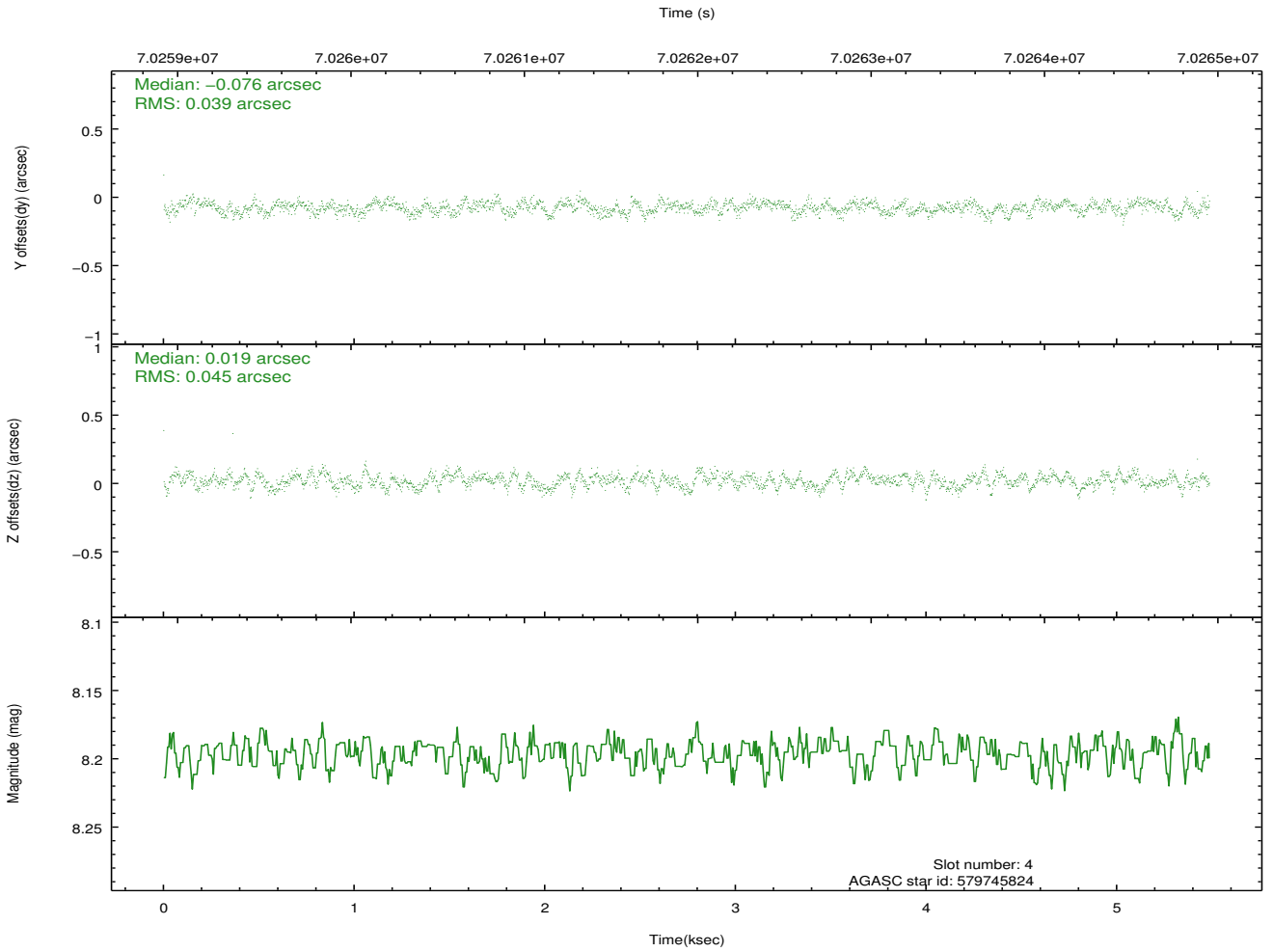
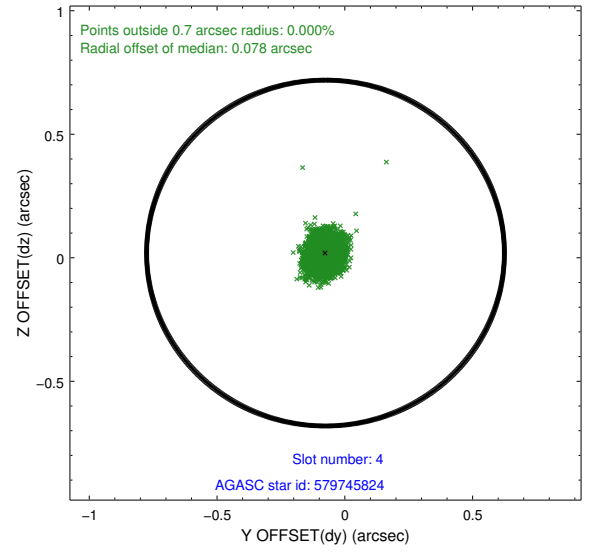
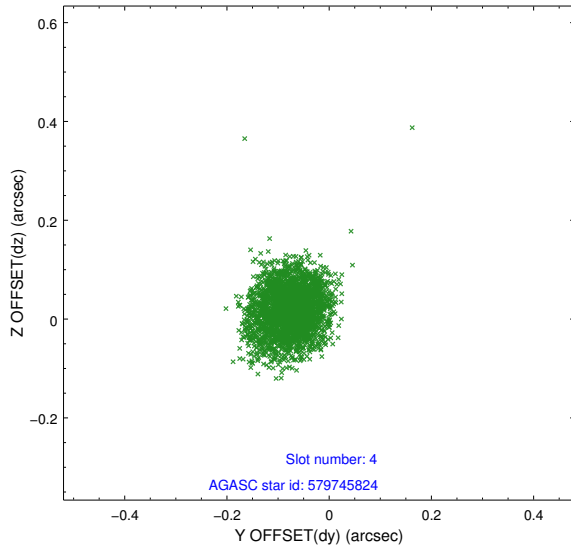
slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-2	7.11	1338	-0.011	-0.010	0.007	0.011	0.000000	0.000000	-753.19	-1725.22
1	FID	ACIS-S-4	7.21	1338	0.007	0.008	0.006	0.011	0.000000	0.000000	2159.72	182.15
2	FID	ACIS-S-5	7.23	1338	-0.026	0.011	0.007	0.012	0.000000	0.000000	-1804.63	177.13
3	GUIDE	579739488	8.05	2677	-0.004	-0.090	0.053	0.083	248.280801	70.616878	537.35	291.98
4	GUIDE	579745824	8.20	2677	-0.076	0.019	0.063	0.100	250.088877	70.237575	-1586.96	-1158.88
5	GUIDE	579737248	8.22	2677	0.059	-0.109	0.064	0.098	248.298145	70.578372	402.07	330.02
6	GUIDE	579742240	9.57	2675	0.084	0.113	0.103	0.165	248.342106	71.104022	2104.29	-499.09
7	GUIDE	579743712	9.50	2675	-0.067	0.065	0.085	0.137	248.638856	70.070449	-1433.25	706.12

## 2.4 Star Slots

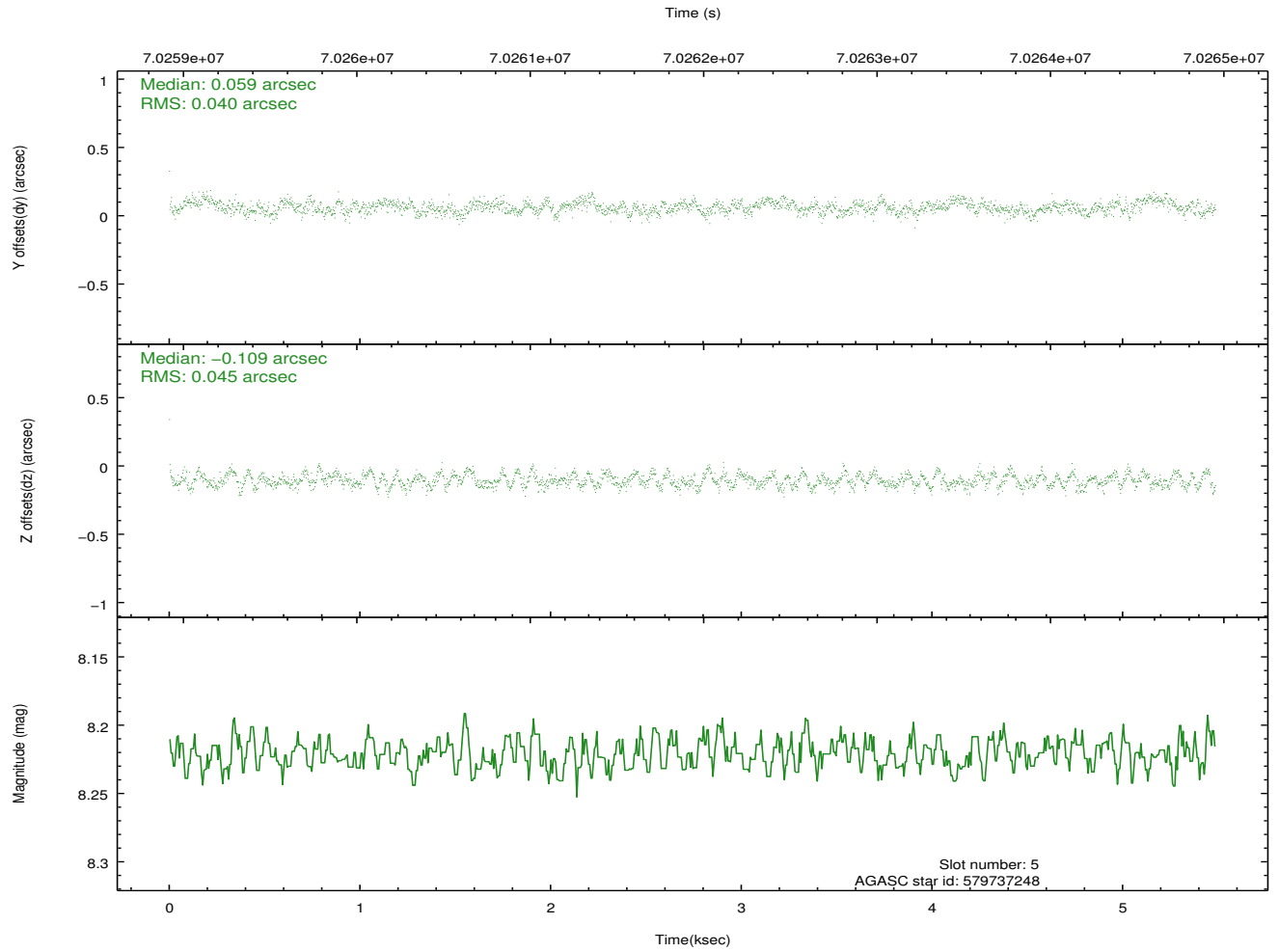
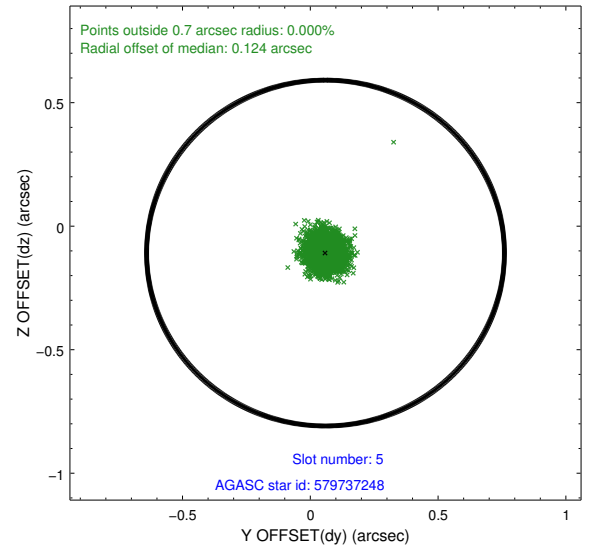
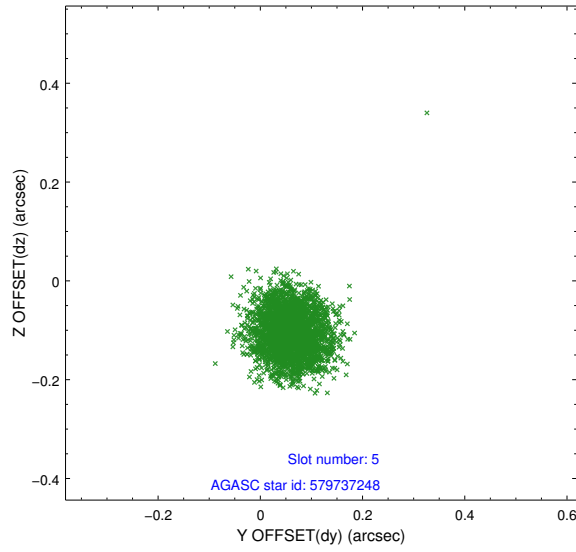
### 2.4.1 Slot 3



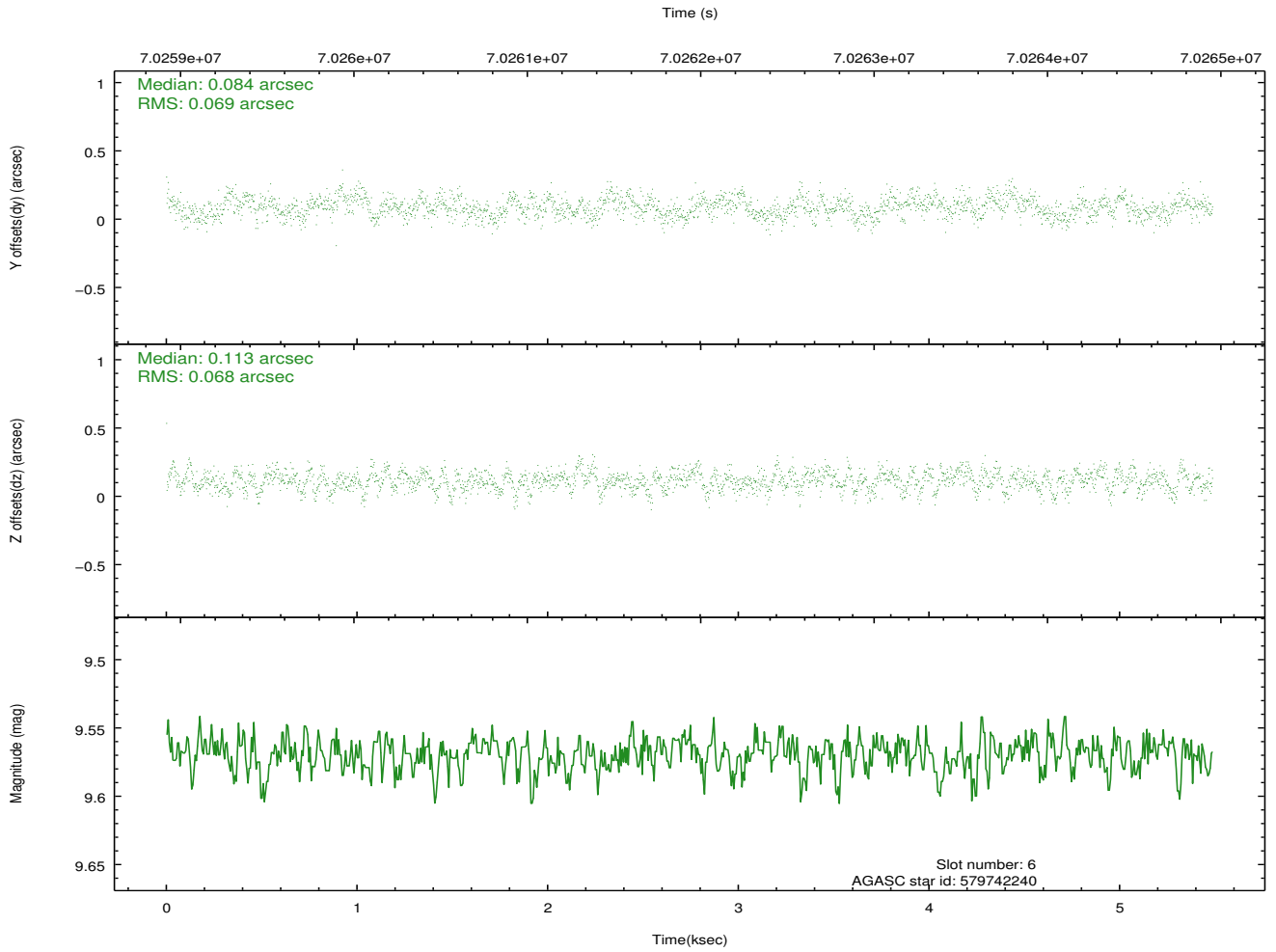
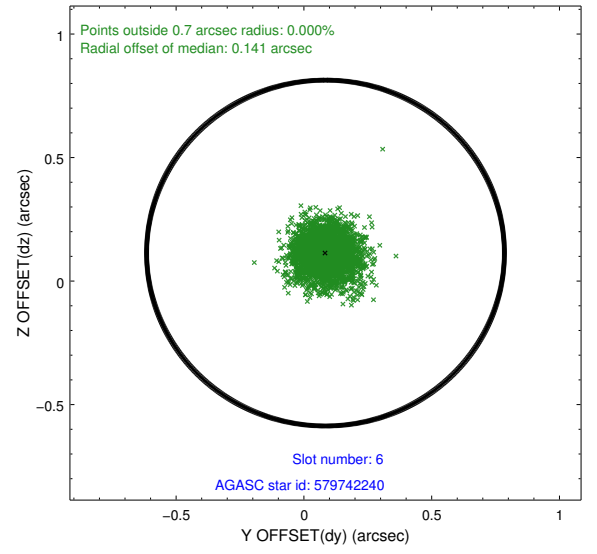
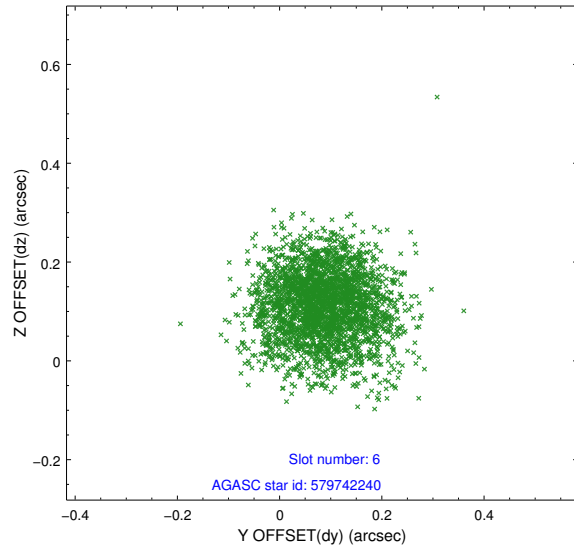
## 2.4.2 Slot 4



### 2.4.3 Slot 5

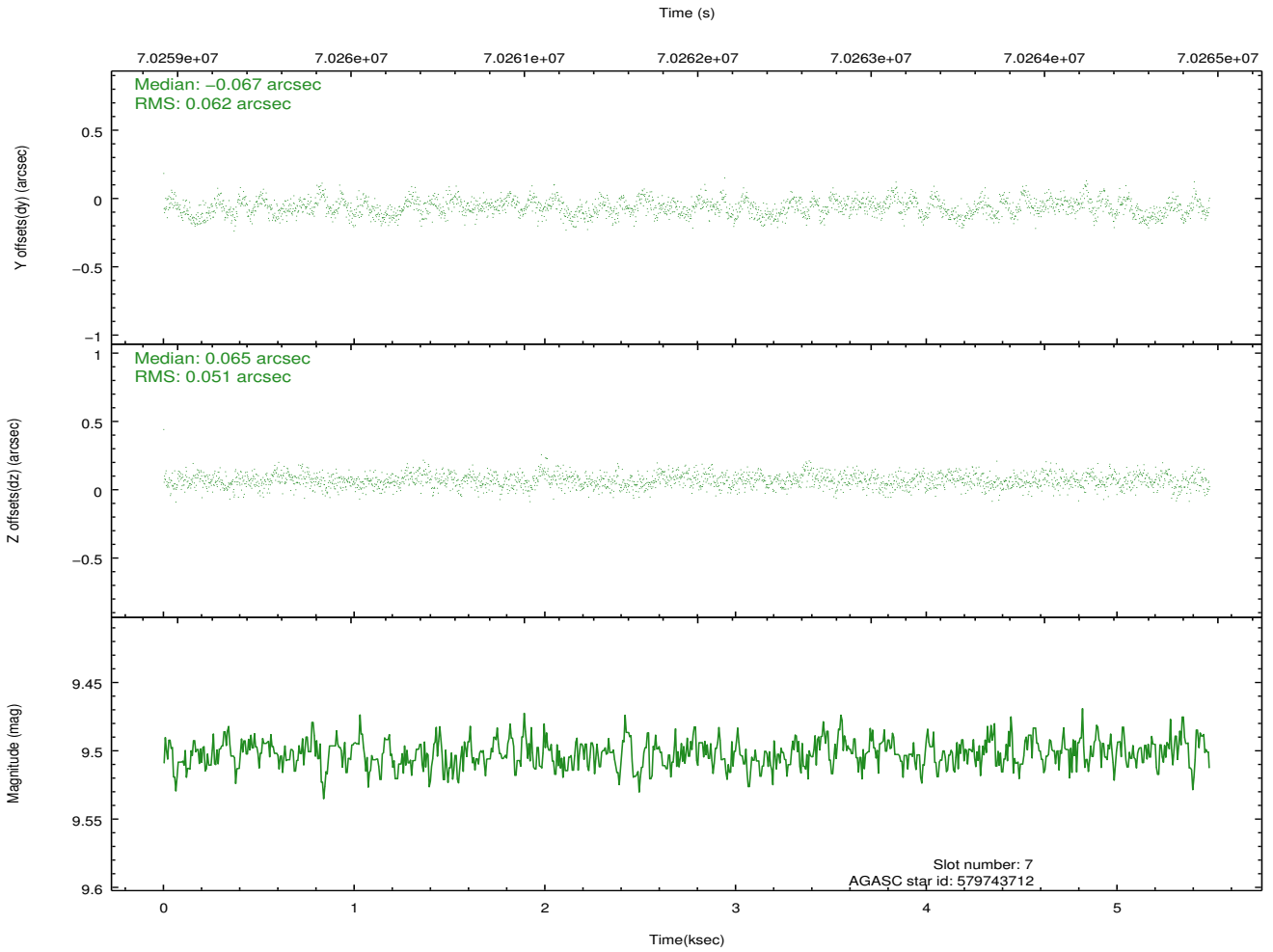
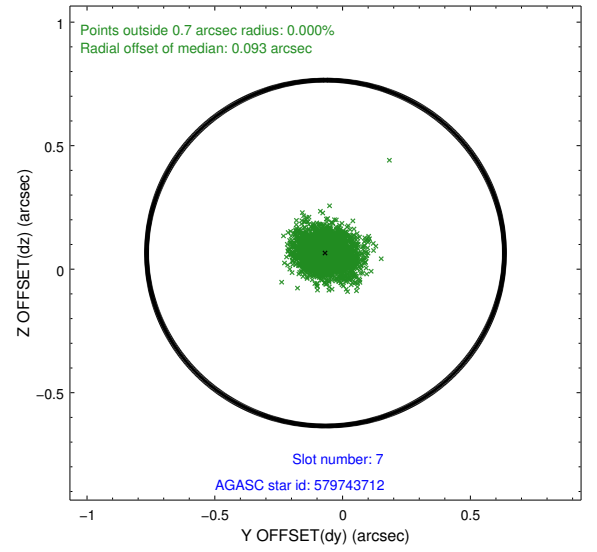
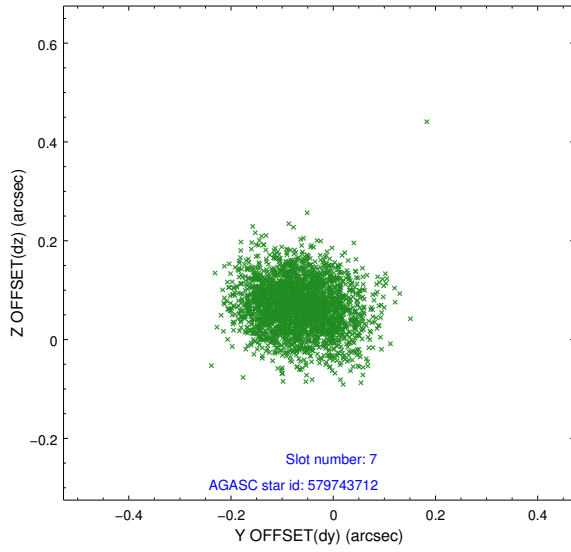


## 2.4.4 Slot 6



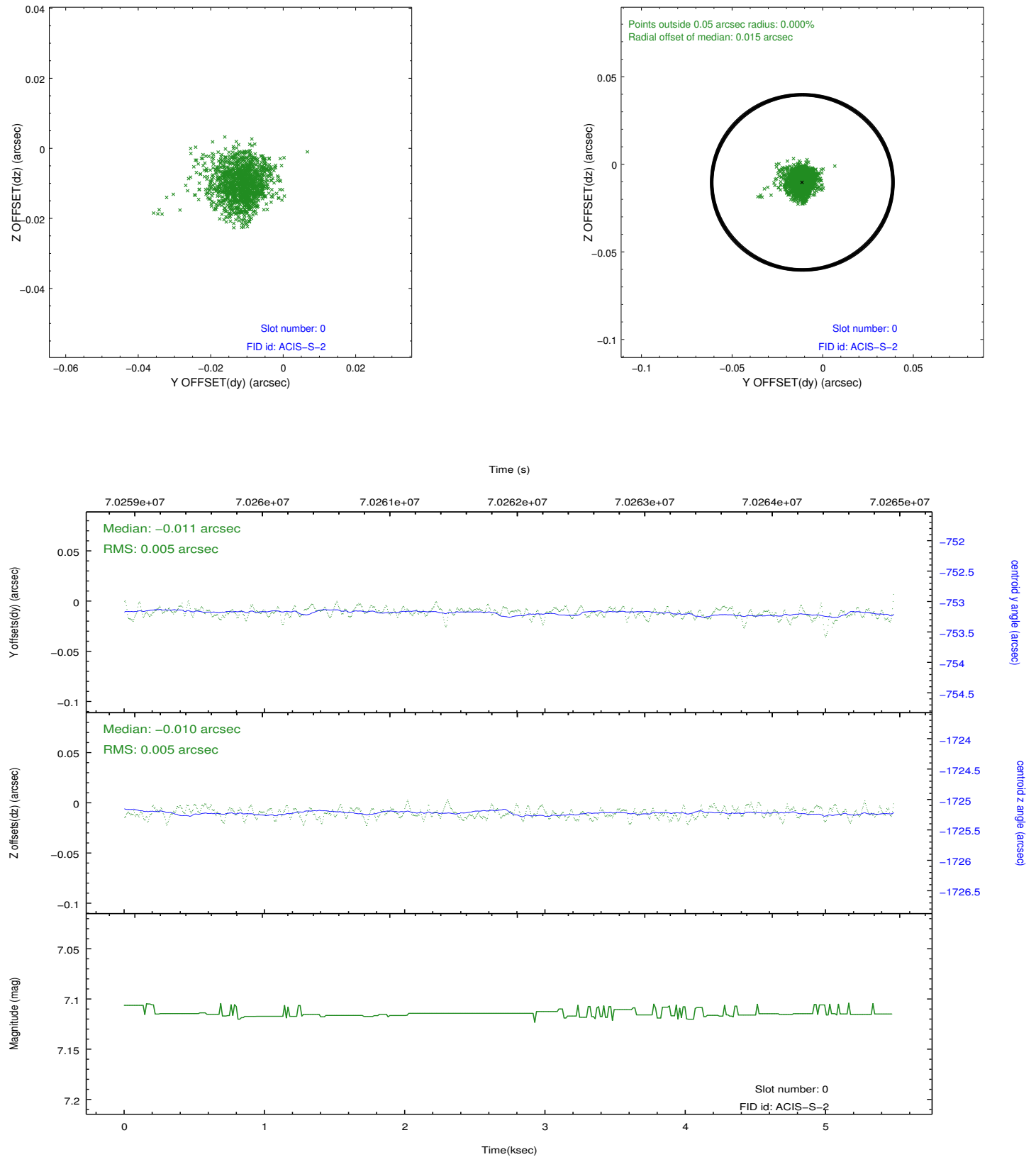


## 2.4.5 Slot 7

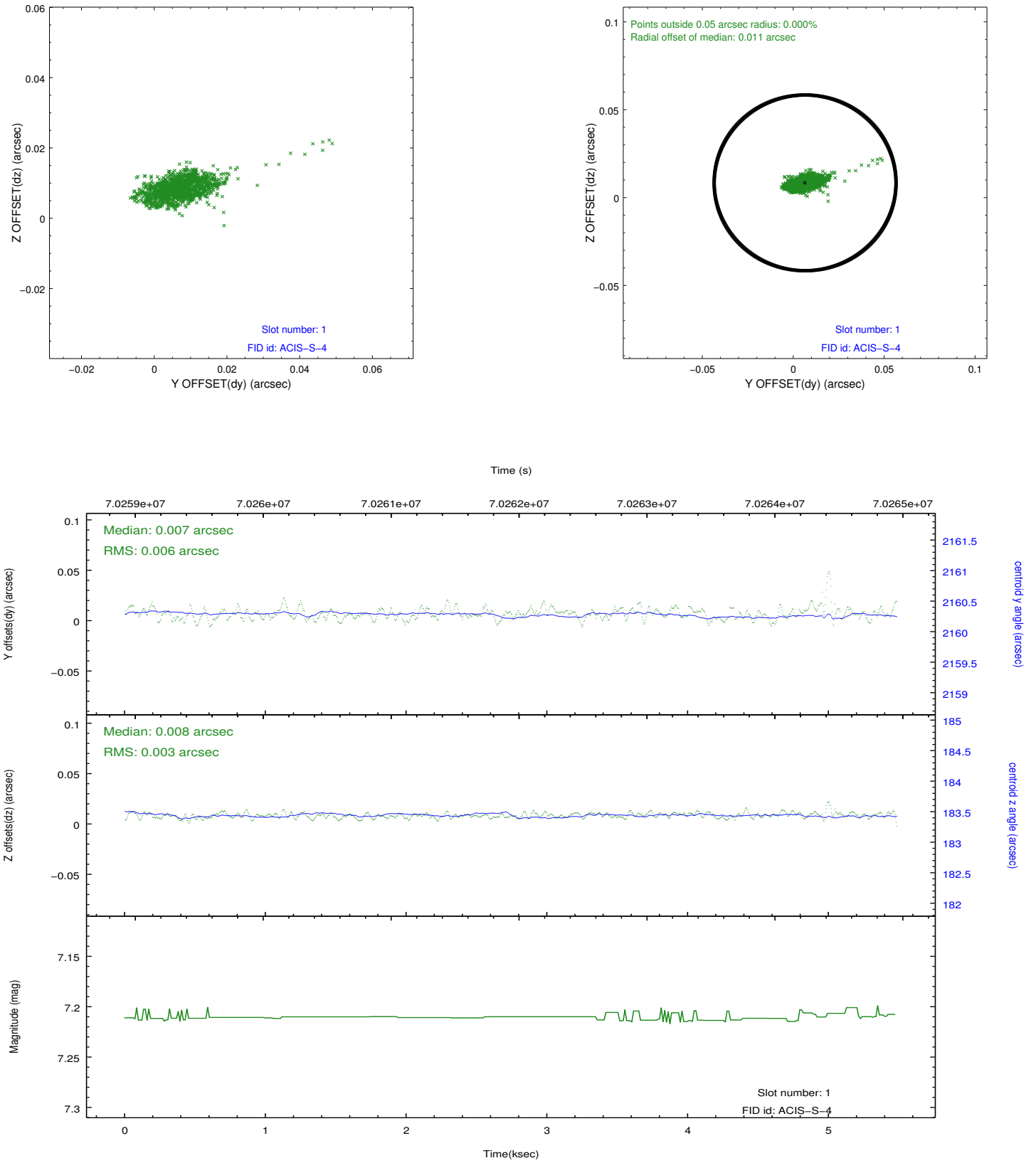


## 2.5 FID Slots

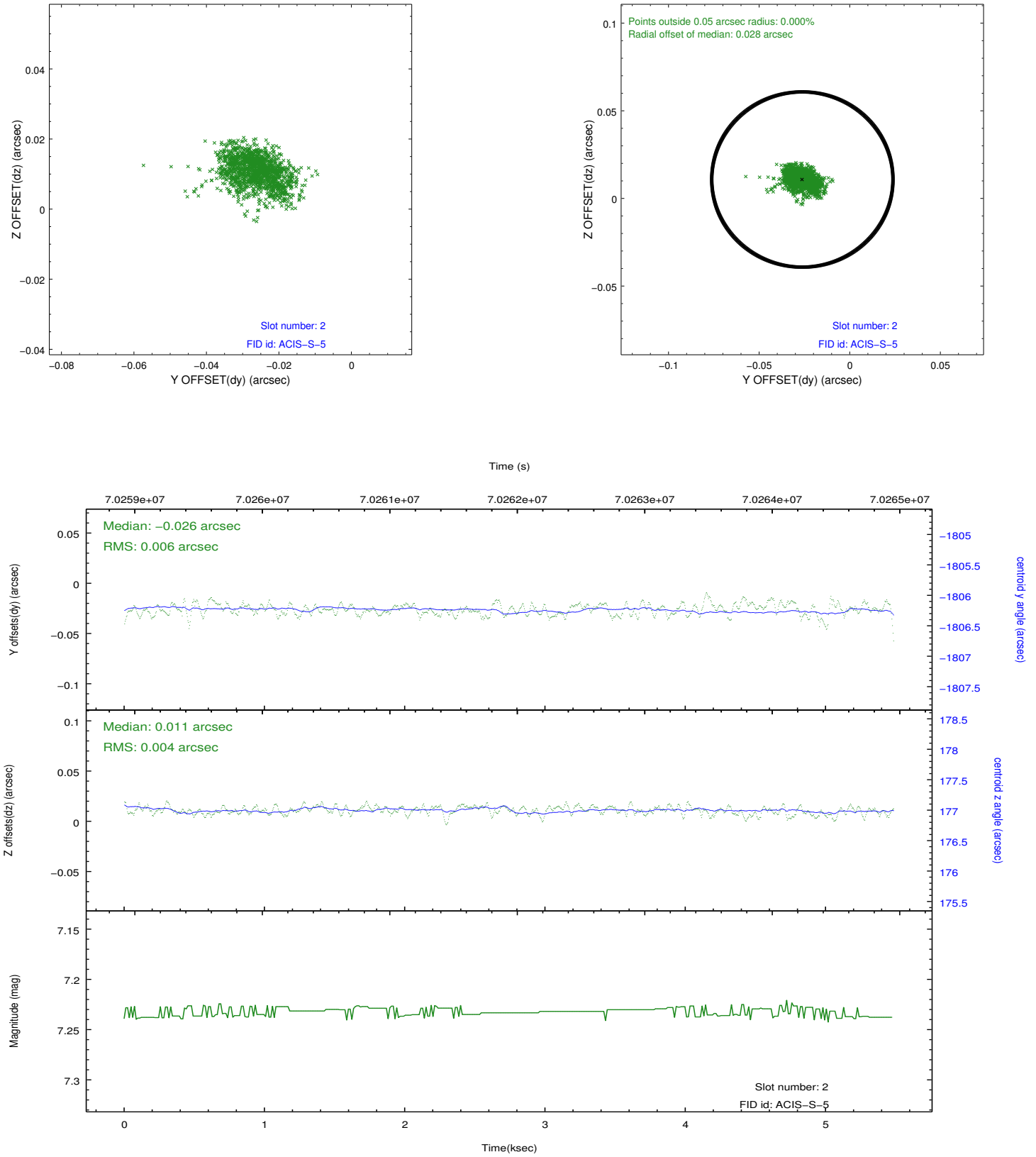
### 2.5.1 Slot 0



## 2.5.2 Slot 1



### 2.5.3 Slot 2



## A Summary

### A.1 Status

V&V Scientist	Jen Lauer
V&V Date (YYYY-MM-DD)	2012.08.27
V&V Edition	1
V&V Disposition and Status	OK
V&V Charge Time	4.857

### A.2 Comments