

# V&V Reference Report

## L2 ASCDS Version : 8.4.5

Observation 816 - L2 Version 4  
Chandra X-Ray Center

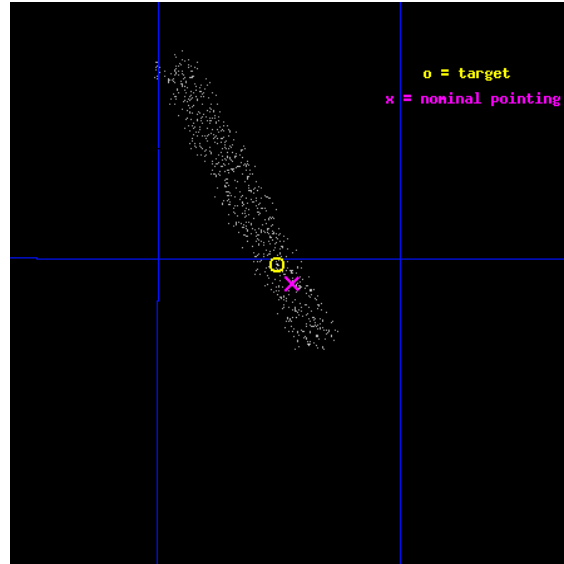
L2 Processing Date : Aug 24 2012

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# 1 Front

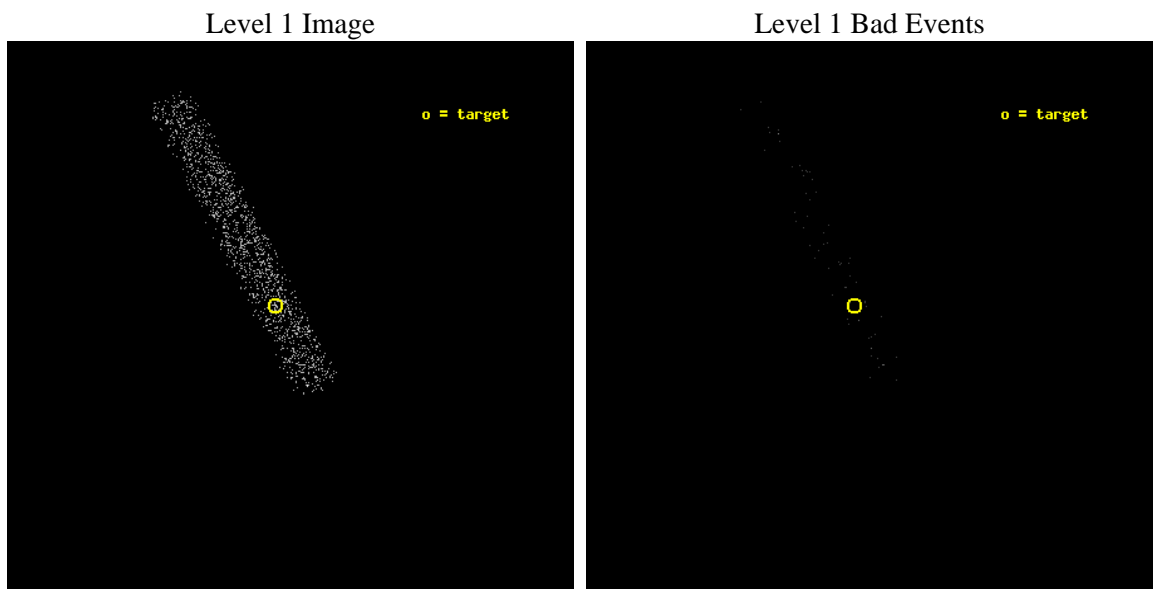
seq_num	700121	Sequence number
obs_id	816	Observation id
title	LIFTING THE SHROUD AROUND BROAD ABSORPTION LINE QSOS: AN AXAF SURVEY	&#160
observer	Dr. Paul Green	Principal investigator
object	IRAS 07598+6508	Source name
dtcycle	0	&#160
cycle	P	events from which exps? Prim/Second/Both
ra_targ	121.126667	Observer's specified target RA [deg]
dec_targ	64.997694	Observer's specified target Dec [deg]
ra_nom	121.11173779188	Nominal RA [deg]
dec_nom	64.989466989459	Nominal Dec [deg]
roll_nom	242.55264488351	Nominal Roll [deg]
revision	4	Processing version of data
ontime	1479.2000220418	Sum of GTIs [s]
livetime	1341.5563414128	Livetime [s]
ontime7	1479.2000220418	Sum of GTIs [s]
l2events	814	Number of level 2 events



## 2 OBI

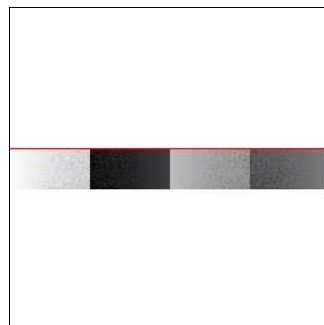
### 2.1 OBI

#### 2.1.1 Images



#### 2.1.2 Bias

Chip 7



### 2.1.3 Parameters

obi_num	2	Obi number	sched_exp_time	1000.000000	[s] Scheduled observation exposure time
ascdsver	8.4.5	Processing system revision	ontime	1479.2000220418	Sum of GTIs [s]
caldsver	4.5.1.1	&#160	ontime7	1479.2000220418	Sum of GTIs [s]
date	2012-08-24T13:40:11	Date and time of file creation	l1events	2255	Number of level 1 events
revision	4	Processing version of data			

### 2.1.4 Events

	<b>ccd 7</b>
level 1 events	2255
rejected events	1403
rejected %	62%

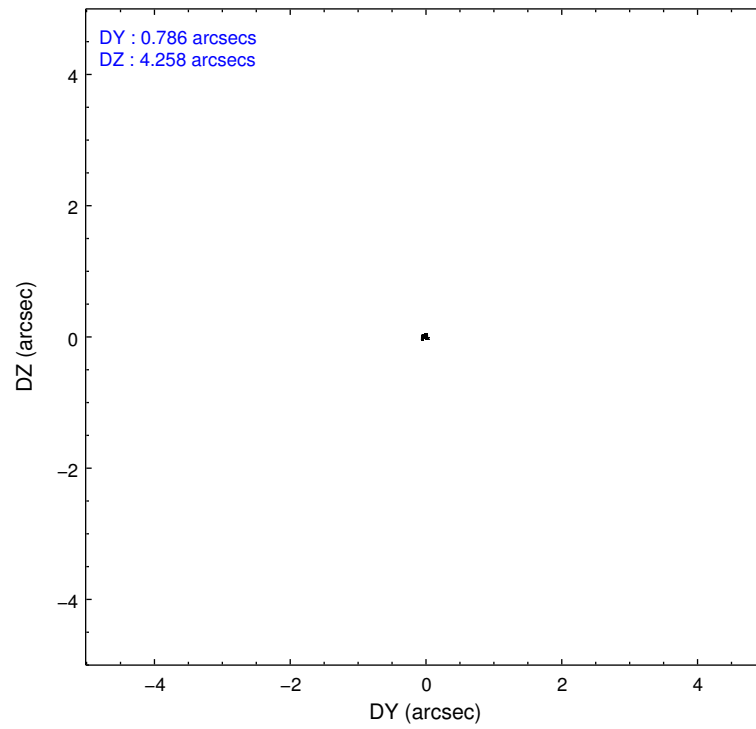
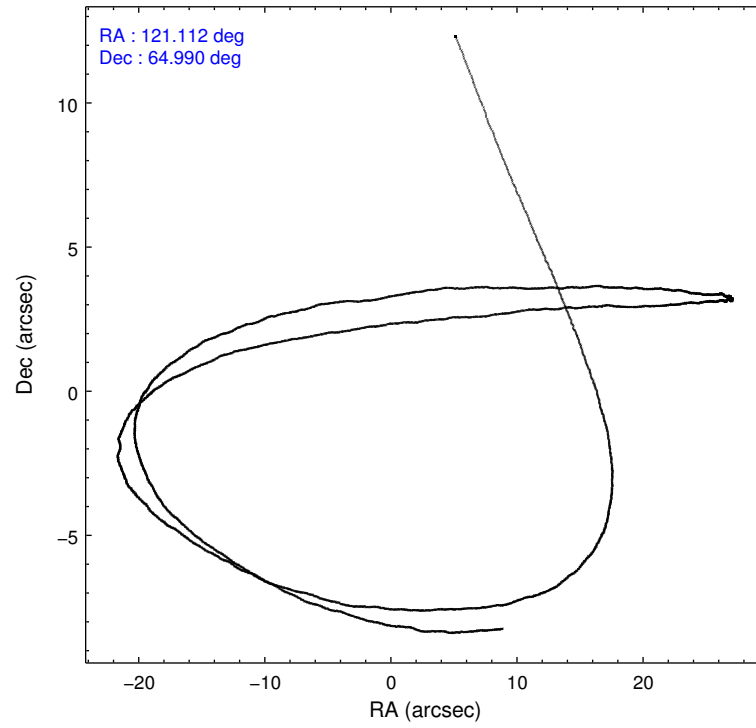
	<b>ccd 7</b>
grade 0 events	135
	5%
grade 1 events	0
	0%
grade 2 events	216
	9%
grade 3 events	163
	7%
grade 4 events	158
	7%
grade 5 events	198
	8%
grade 6 events	465
	20%
grade 7 events	920
	40%

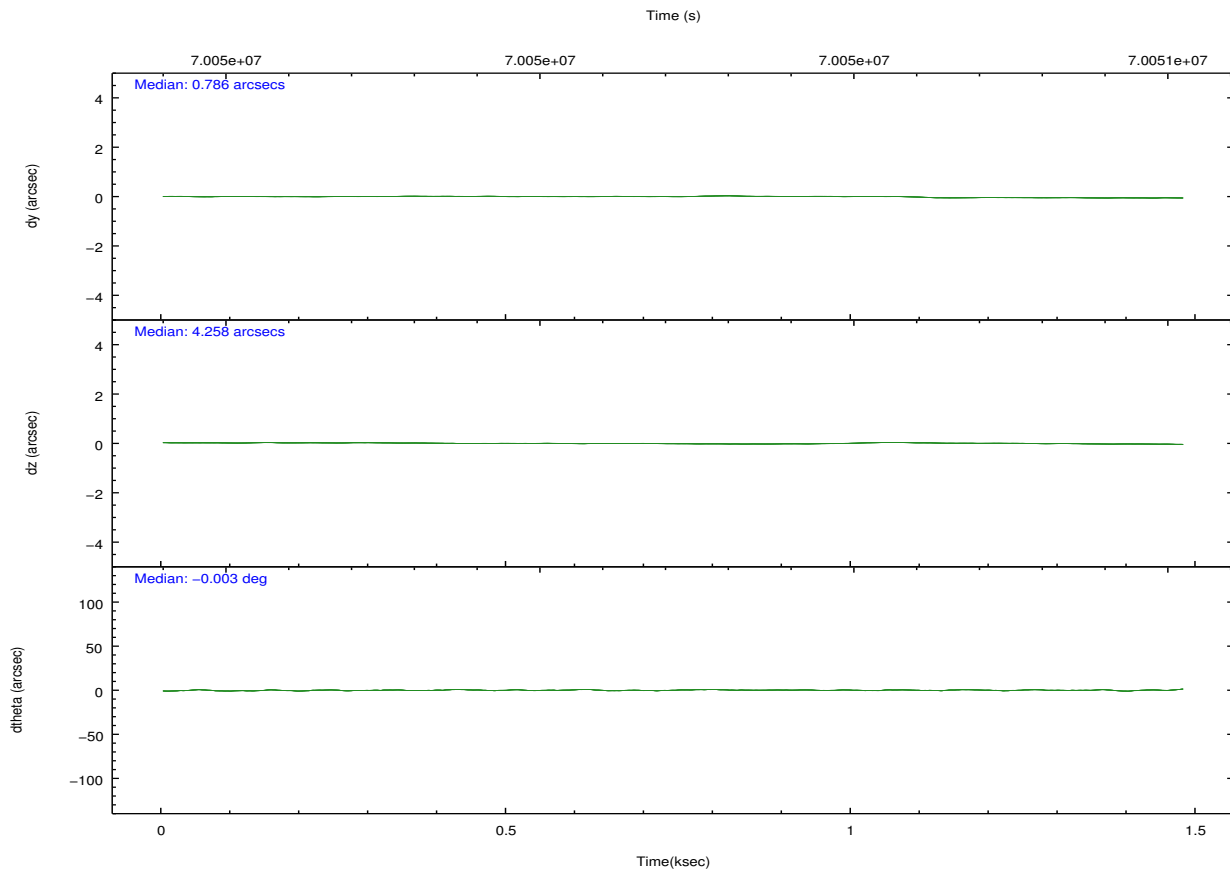
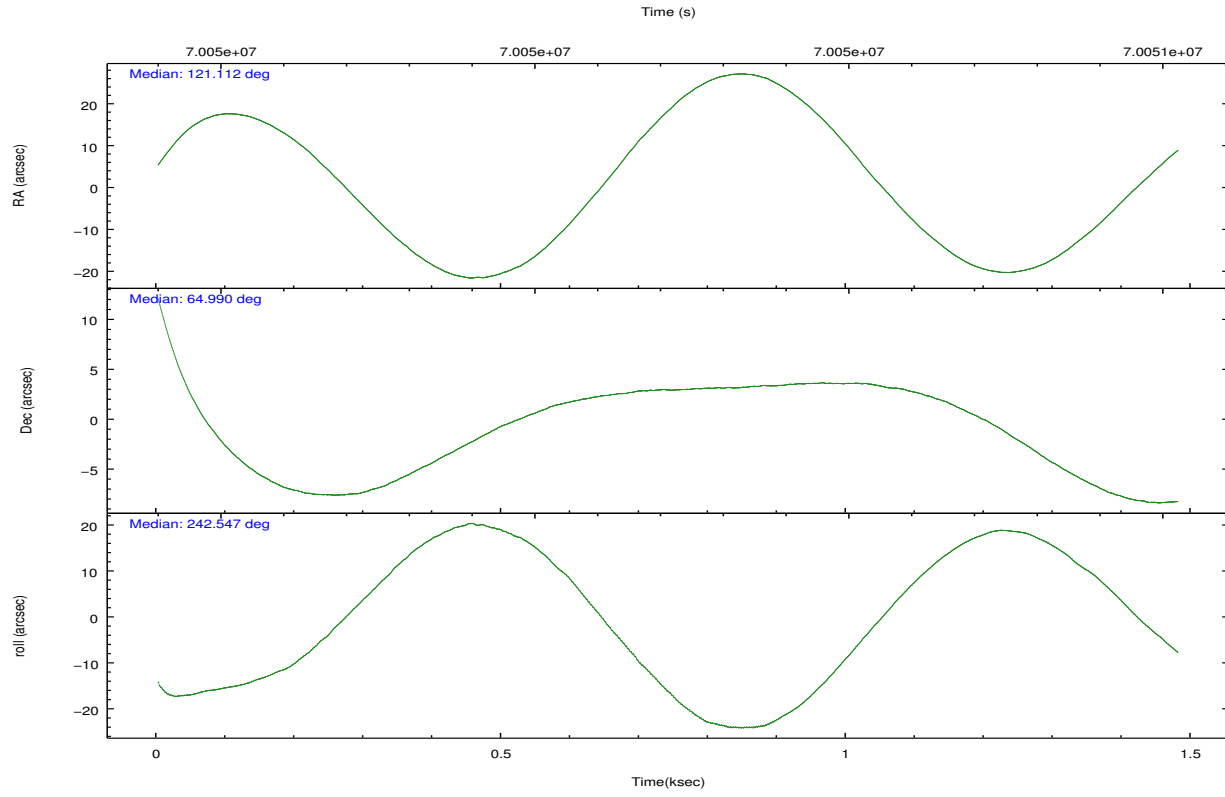
## 2.2 Compared Parameters

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	121.108986	121.1117377918806
[deg] Pointing Dec	65.017205	64.98946698945885
[deg] Pointing Roll	242.398591	242.5526448835146
[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)	70049956.184000	70048757.068424
Observation start date	2000-03-21T18:18:12	2000-03-21T17:59:17
[s] Observation end time (MET)	70050956.184000	70051617.331029
Observation end date	2000-03-21T18:34:52	2000-03-21T18:46:57
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





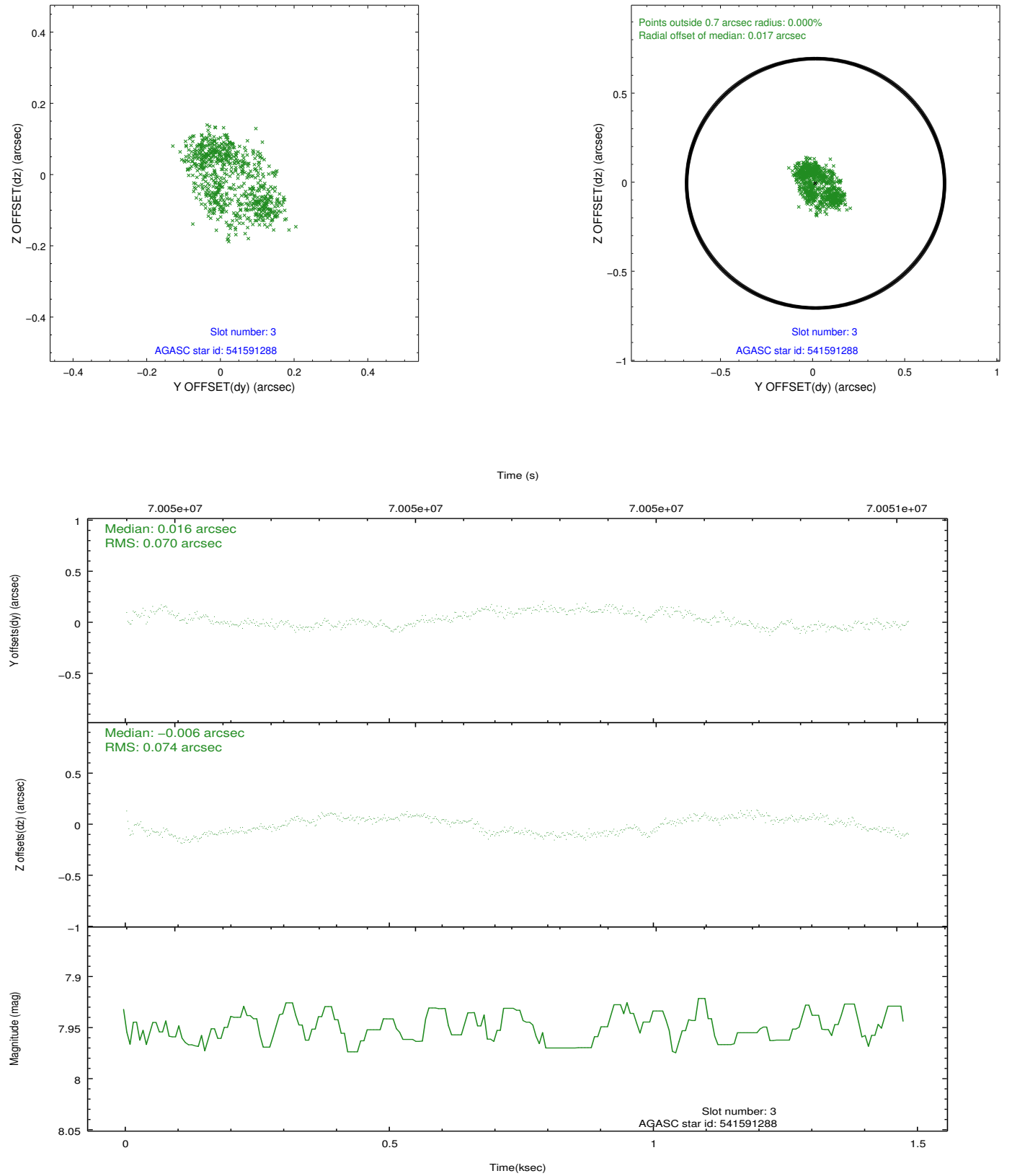
### Slot Statistics

slot	status	id	mag	n_pts	med_dy	med_dz	dr1	dr2	ra	dec	mean_y	mean_z
0	FID	ACIS-S-3	7.35	361	-0.006	-0.005	0.007	0.011	0.000000	0.000000	59.81	-1854.37
1	FID	ACIS-S-4	7.21	361	0.009	0.007	0.005	0.009	0.000000	0.000000	2160.17	178.19
2	FID	ACIS-S-5	7.24	362	-0.031	0.008	0.007	0.012	0.000000	0.000000	-1800.46	177.36
3	GUIDE	541591288	7.95	722	0.016	-0.006	0.111	0.162	120.789584	65.135788	-155.99	-627.28
4	GUIDE	541209048	9.33	723	0.073	-0.170	0.077	0.133	120.903259	64.788178	875.52	100.79
5	GUIDE	541200440	9.02	722	-0.153	0.046	0.082	0.135	122.598773	64.983114	-965.50	2053.87
6	GUIDE	540157144	9.48	723	0.144	-0.002	0.111	0.166	119.724365	64.578423	2368.67	-1172.54
7	GUIDE	541601128	9.51	720	-0.107	0.132	0.082	0.146	121.643267	65.562372	-2108.38	-207.85

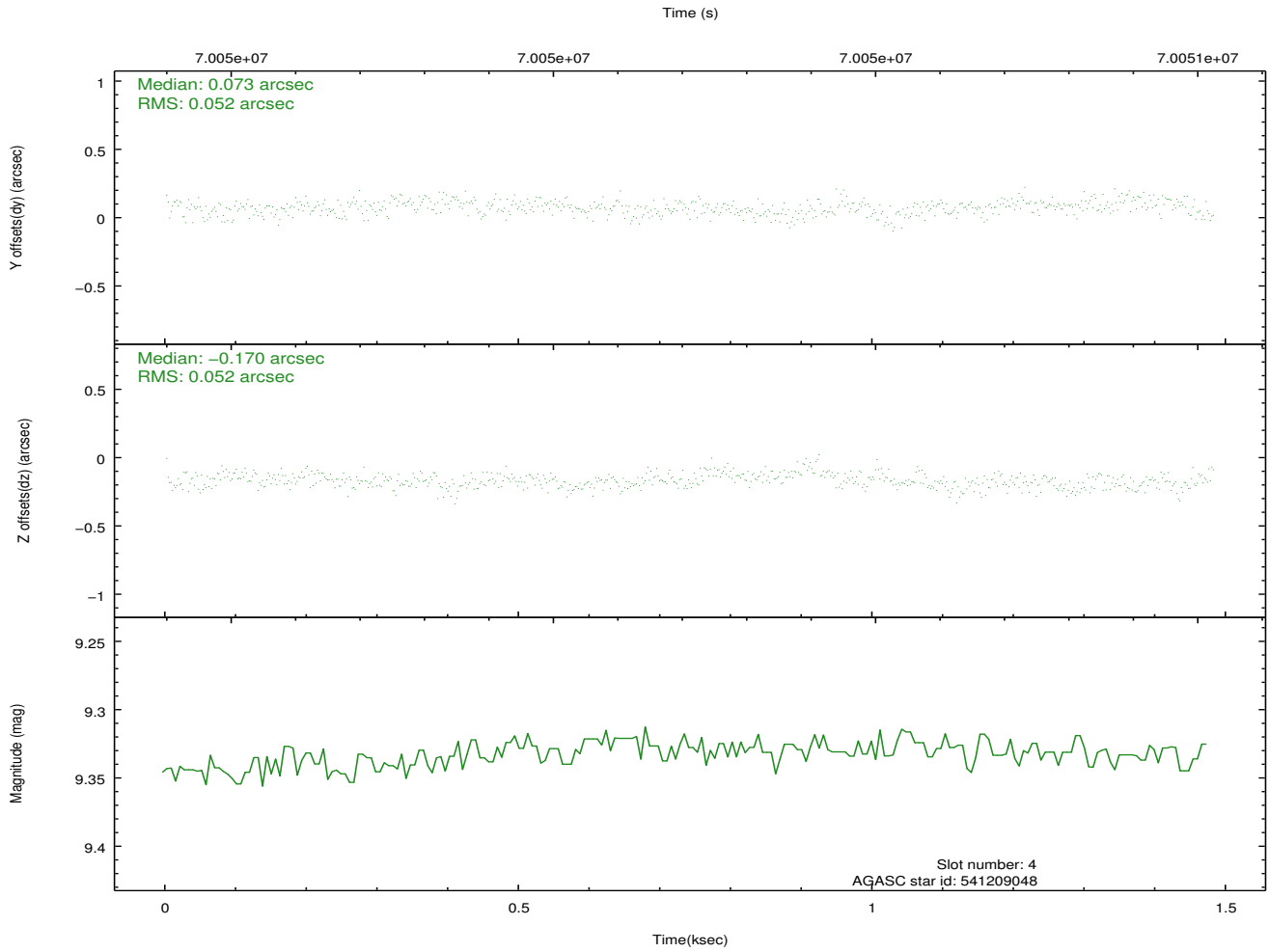
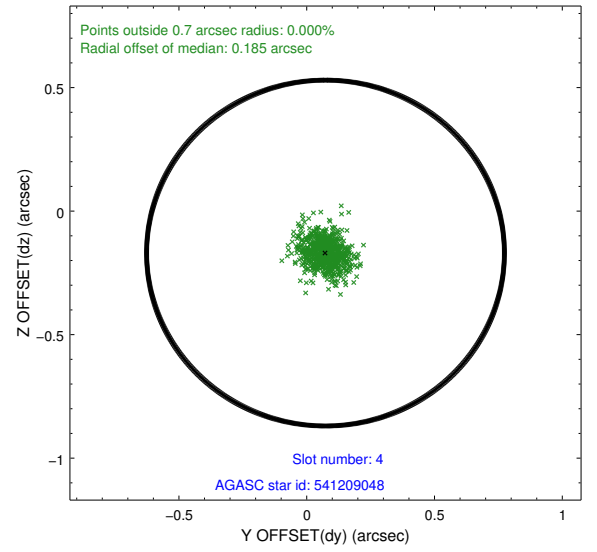
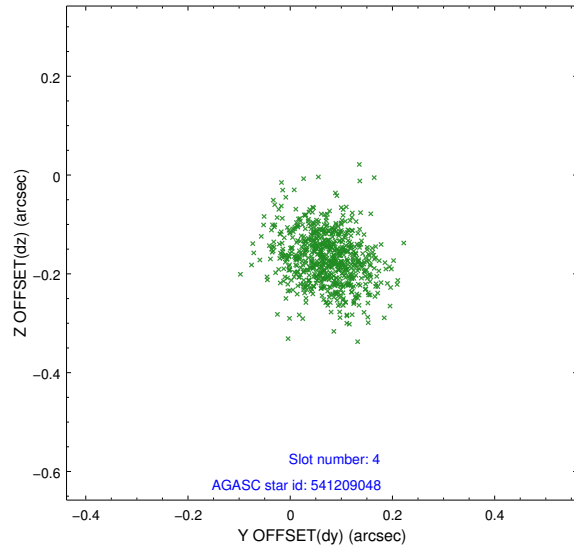


## 2.4 Star Slots

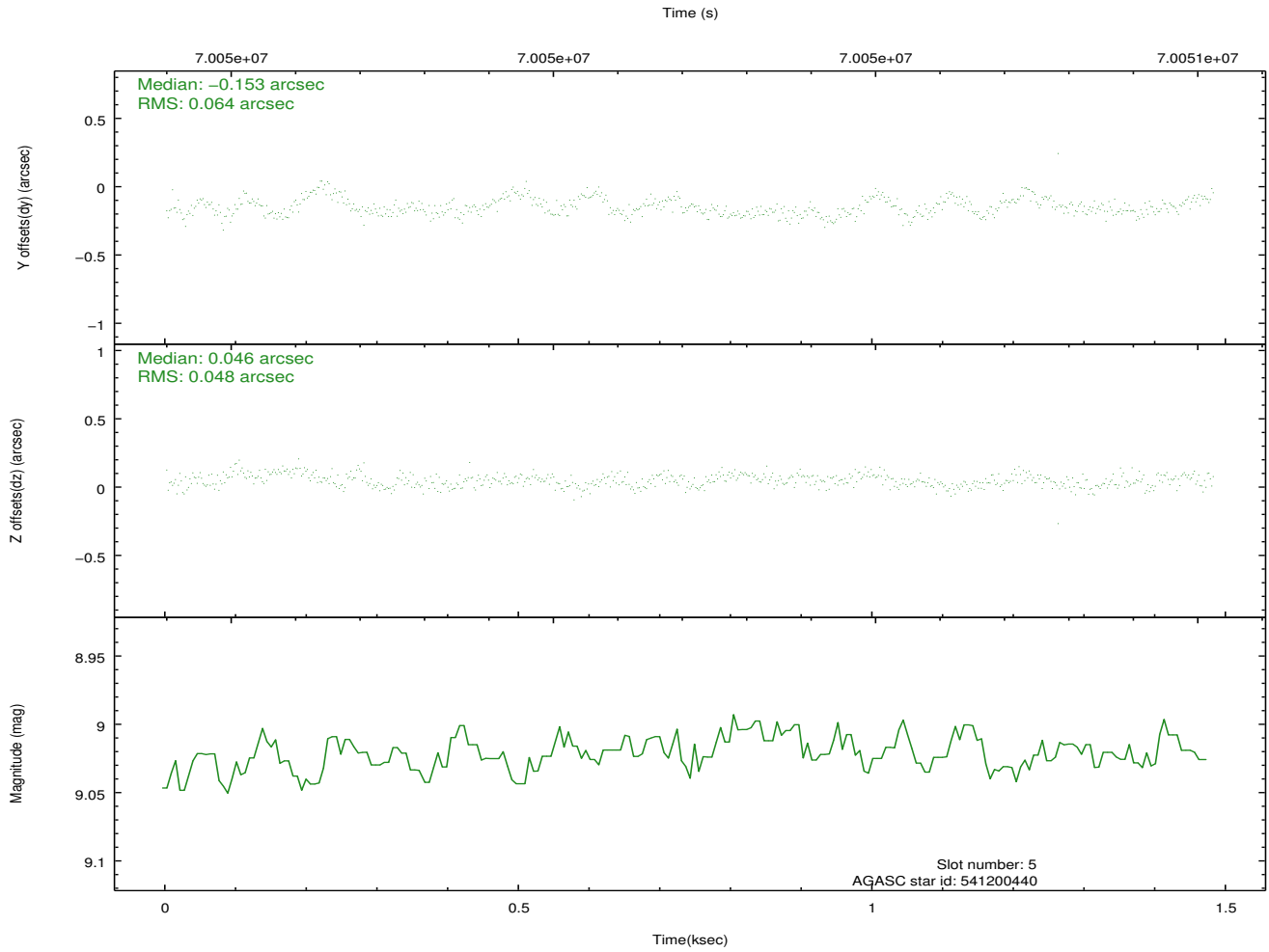
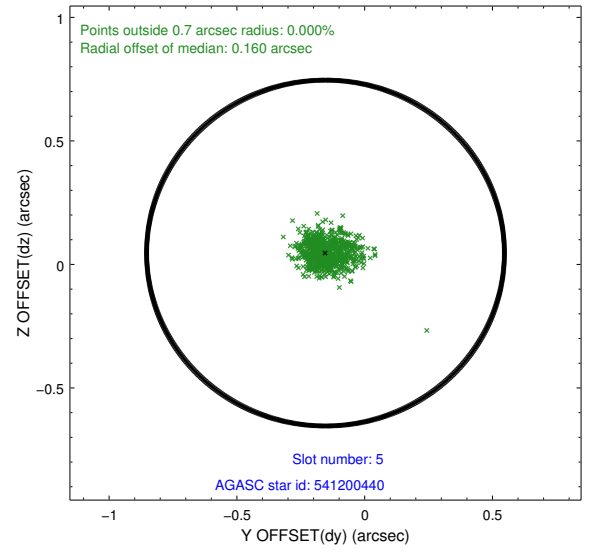
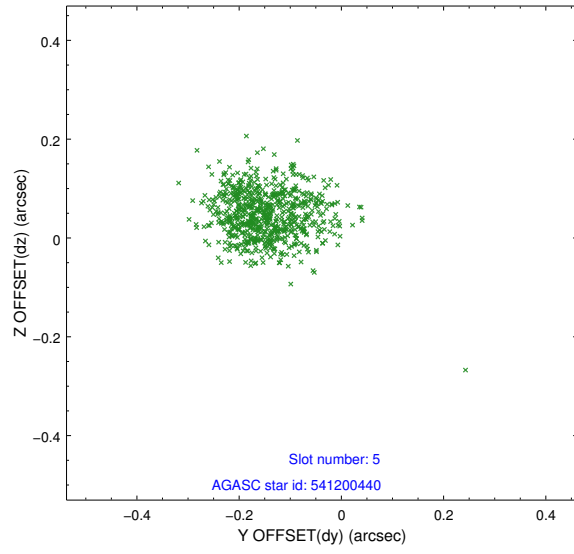
### 2.4.1 Slot 3



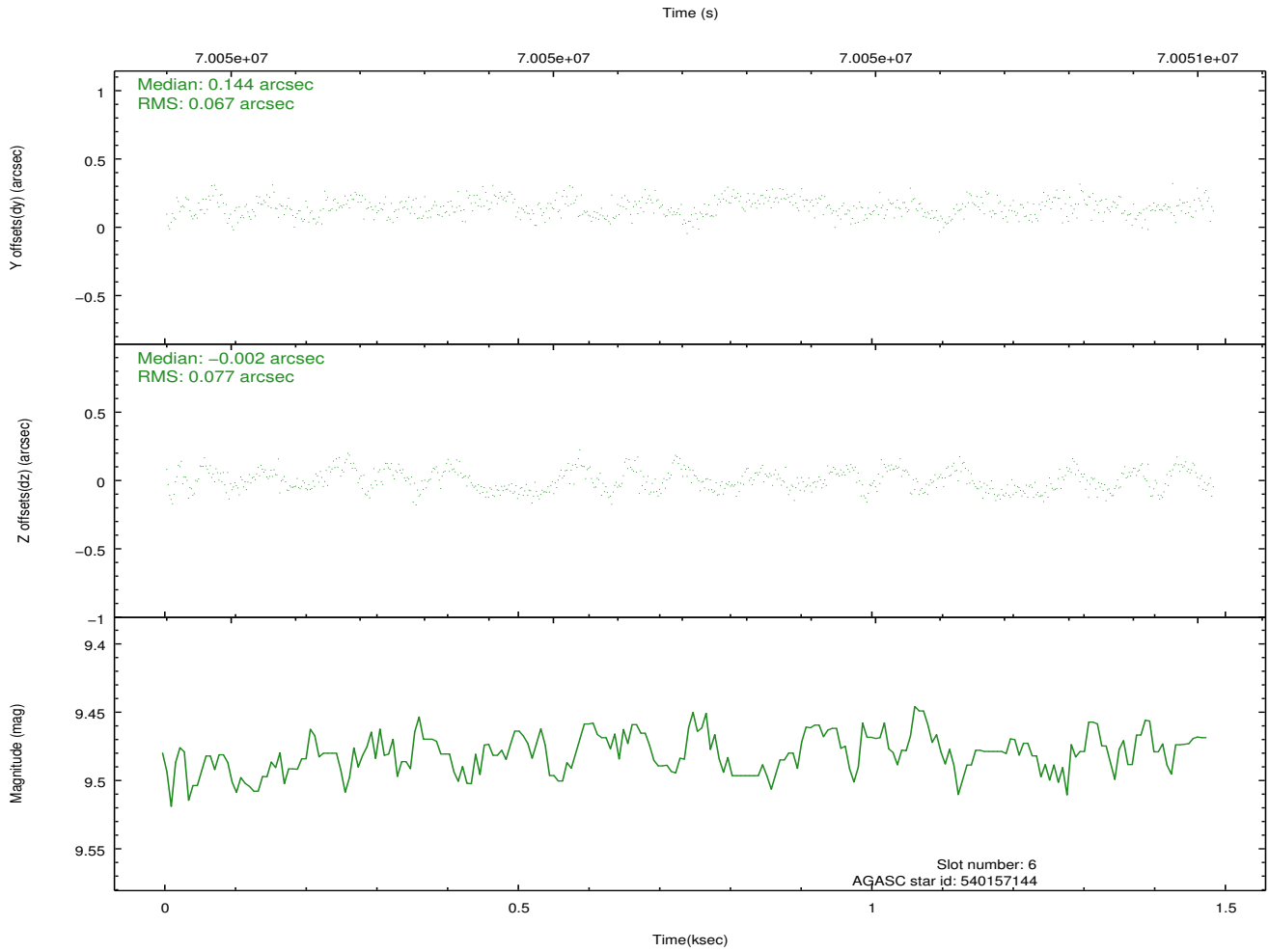
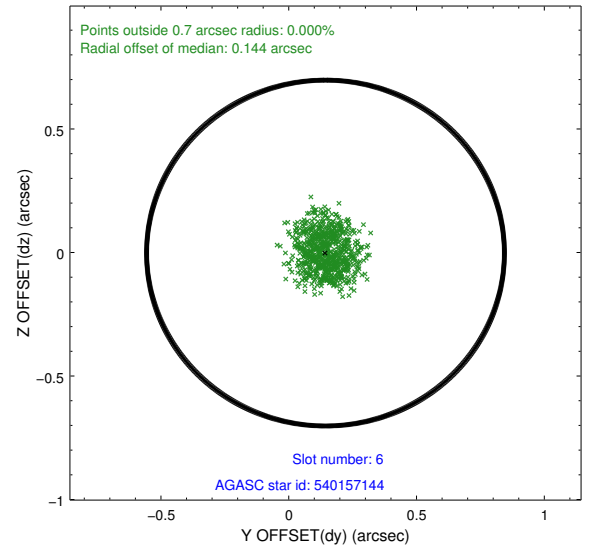
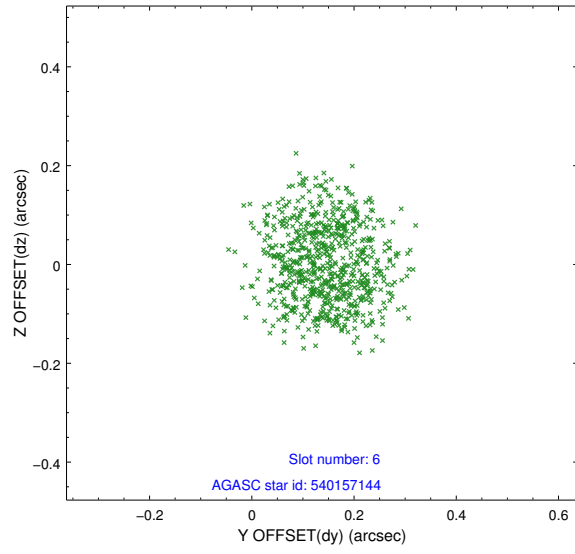
## 2.4.2 Slot 4



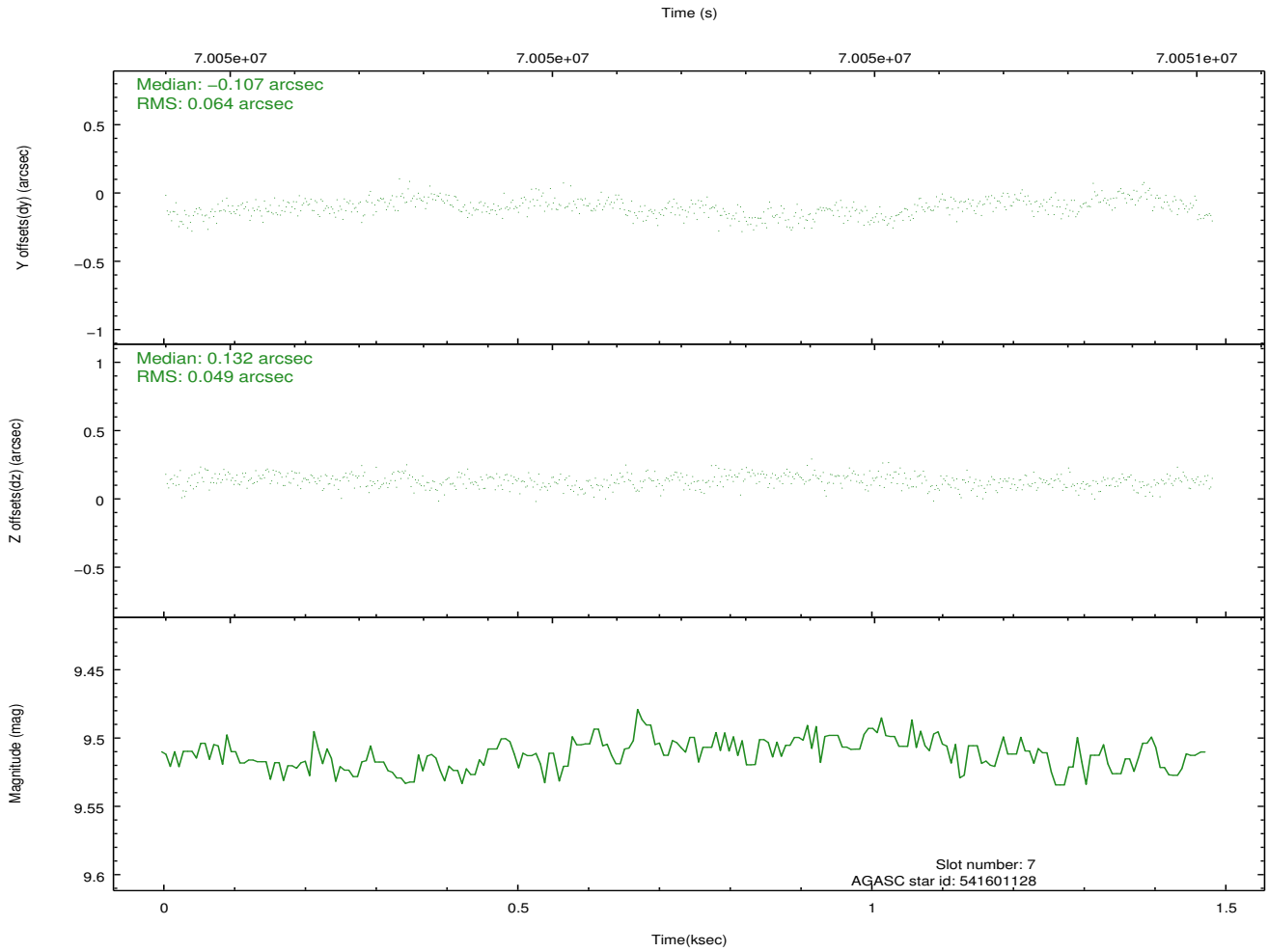
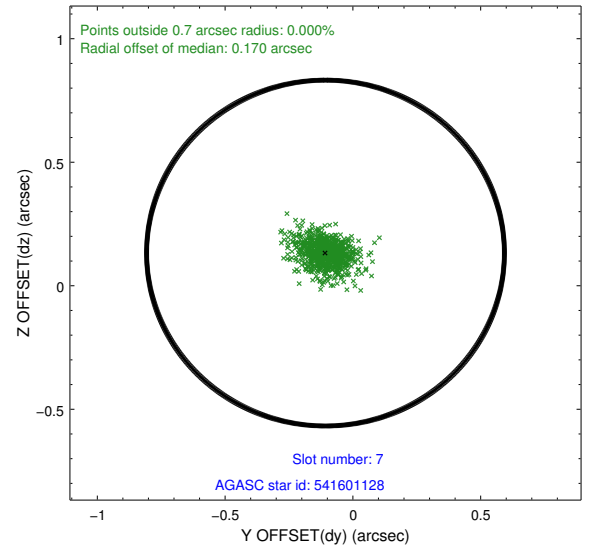
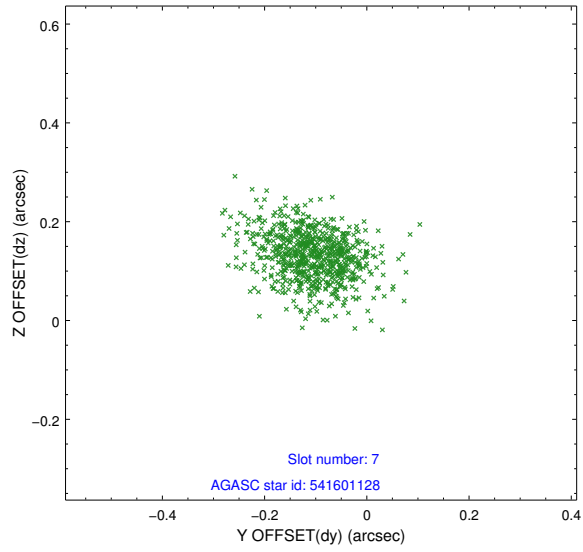
### 2.4.3 Slot 5



## 2.4.4 Slot 6

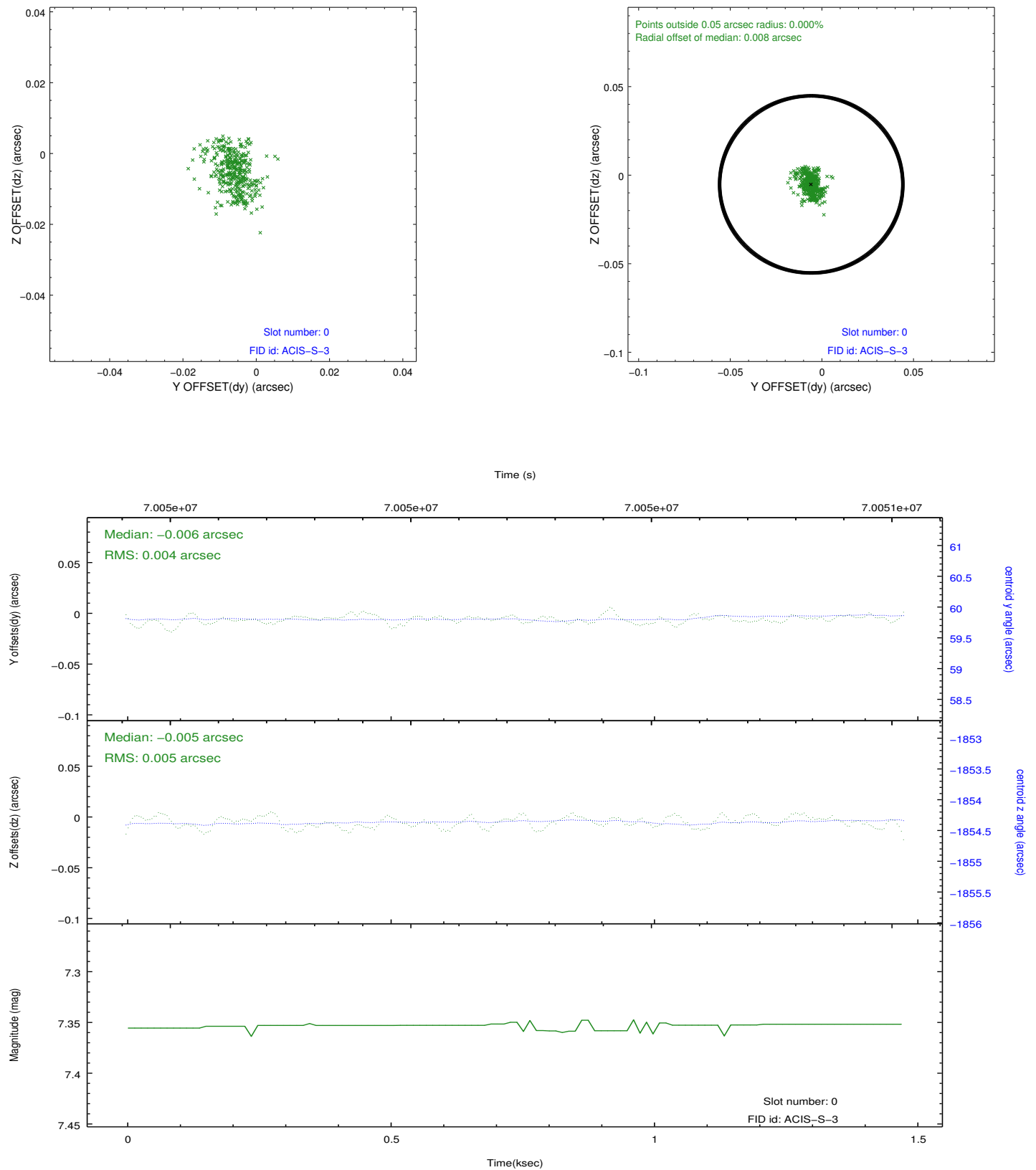


## 2.4.5 Slot 7

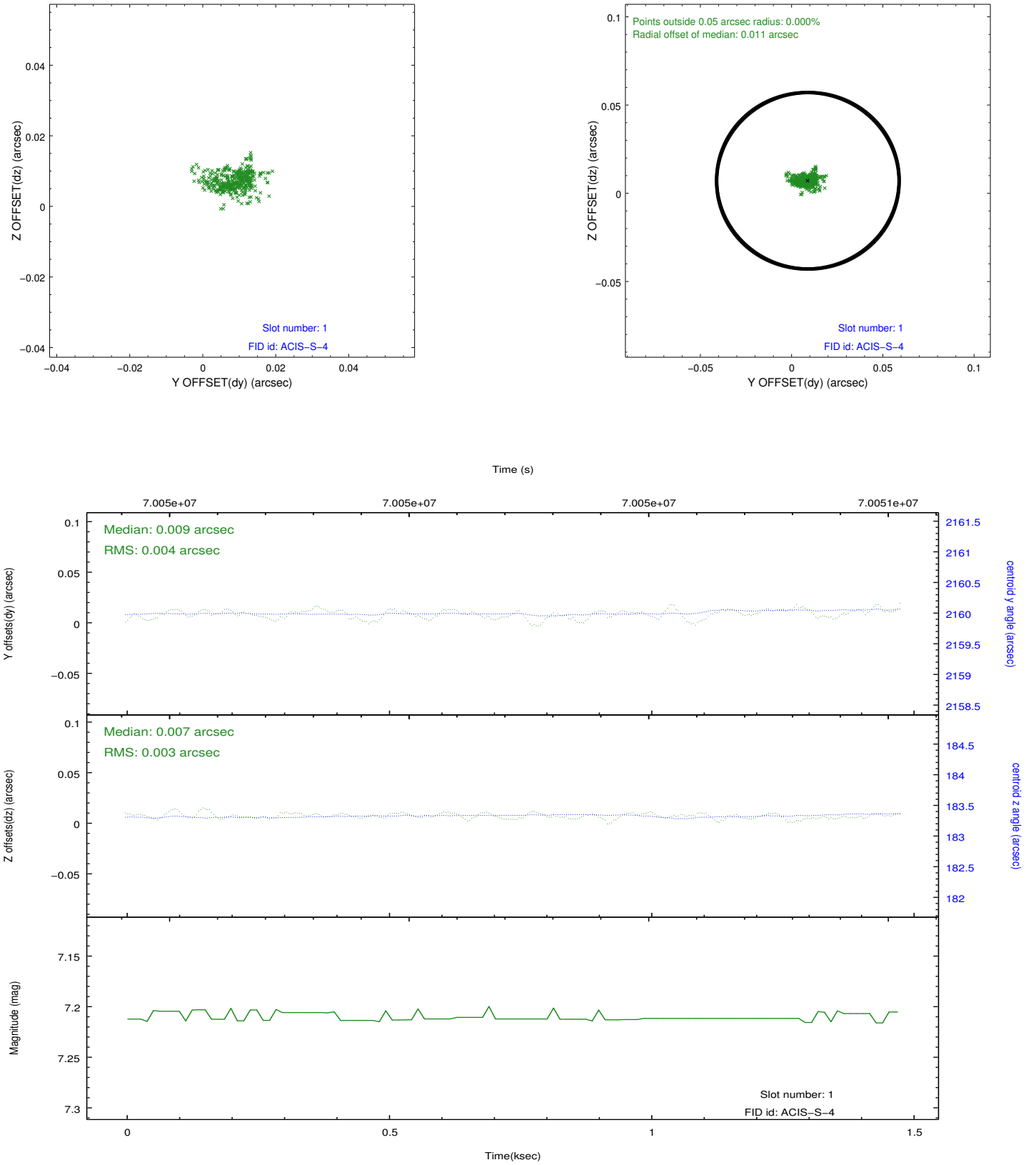


## 2.5 FID Slots

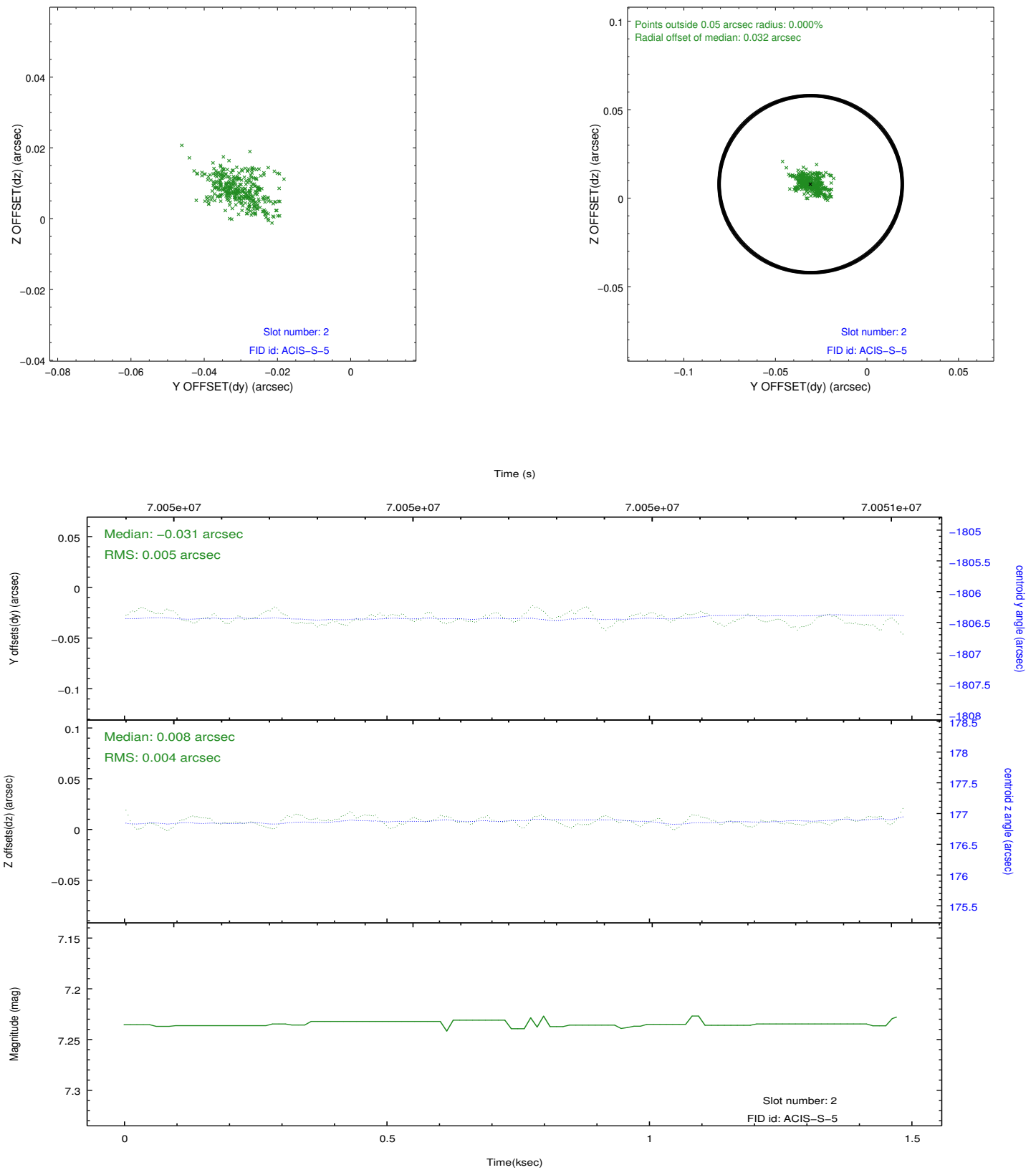
### 2.5.1 Slot 0



## 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	1.479

### A.2 Comments