

# **Huygens GCMS Flight Data**

**Post-Launch F14 Checkout – CO2**

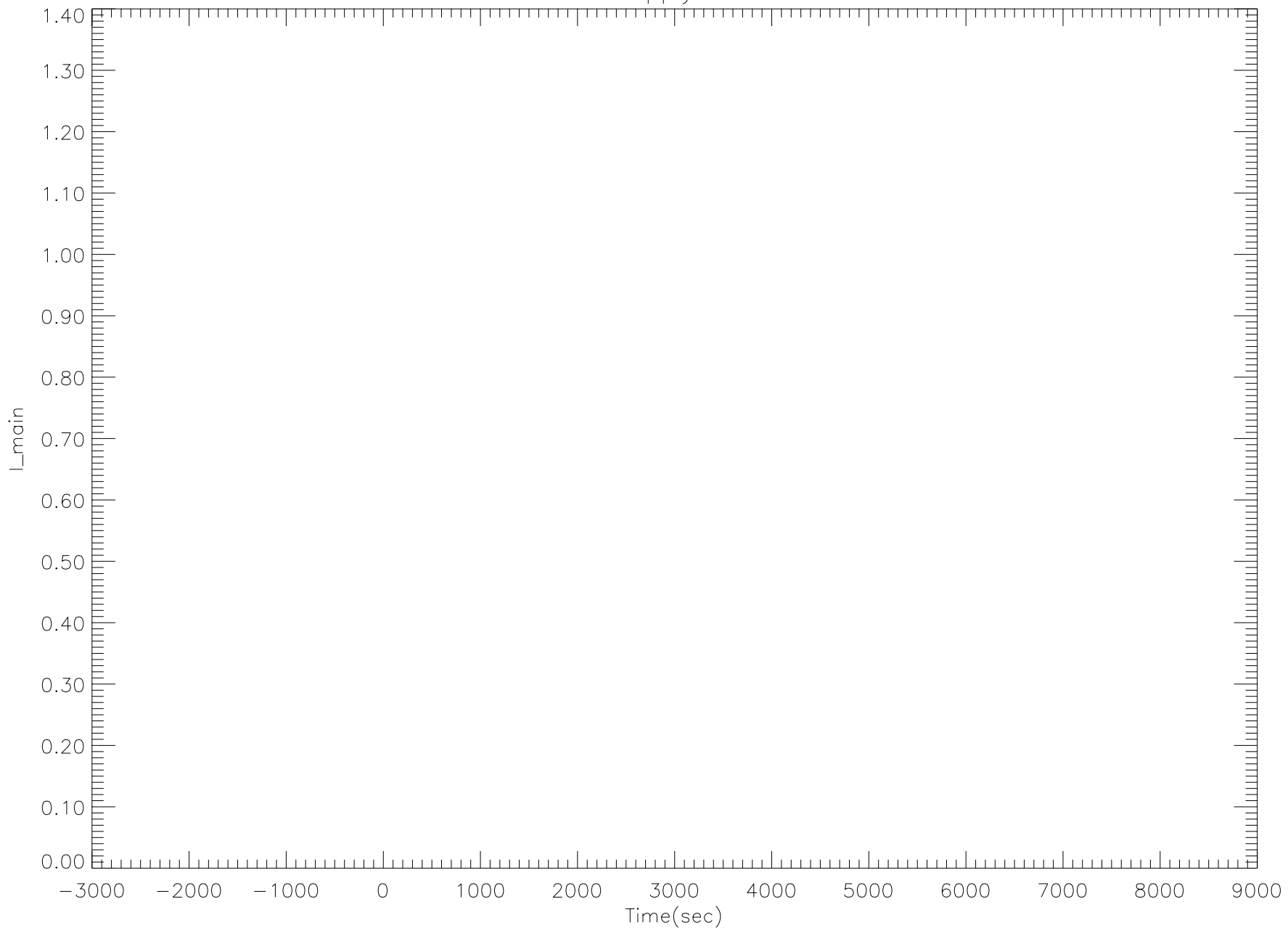
**July 14, 2004**

**Launch + 81 Months**

**040714-FU\_L\_Plus\_81\_Mo-FCO2**

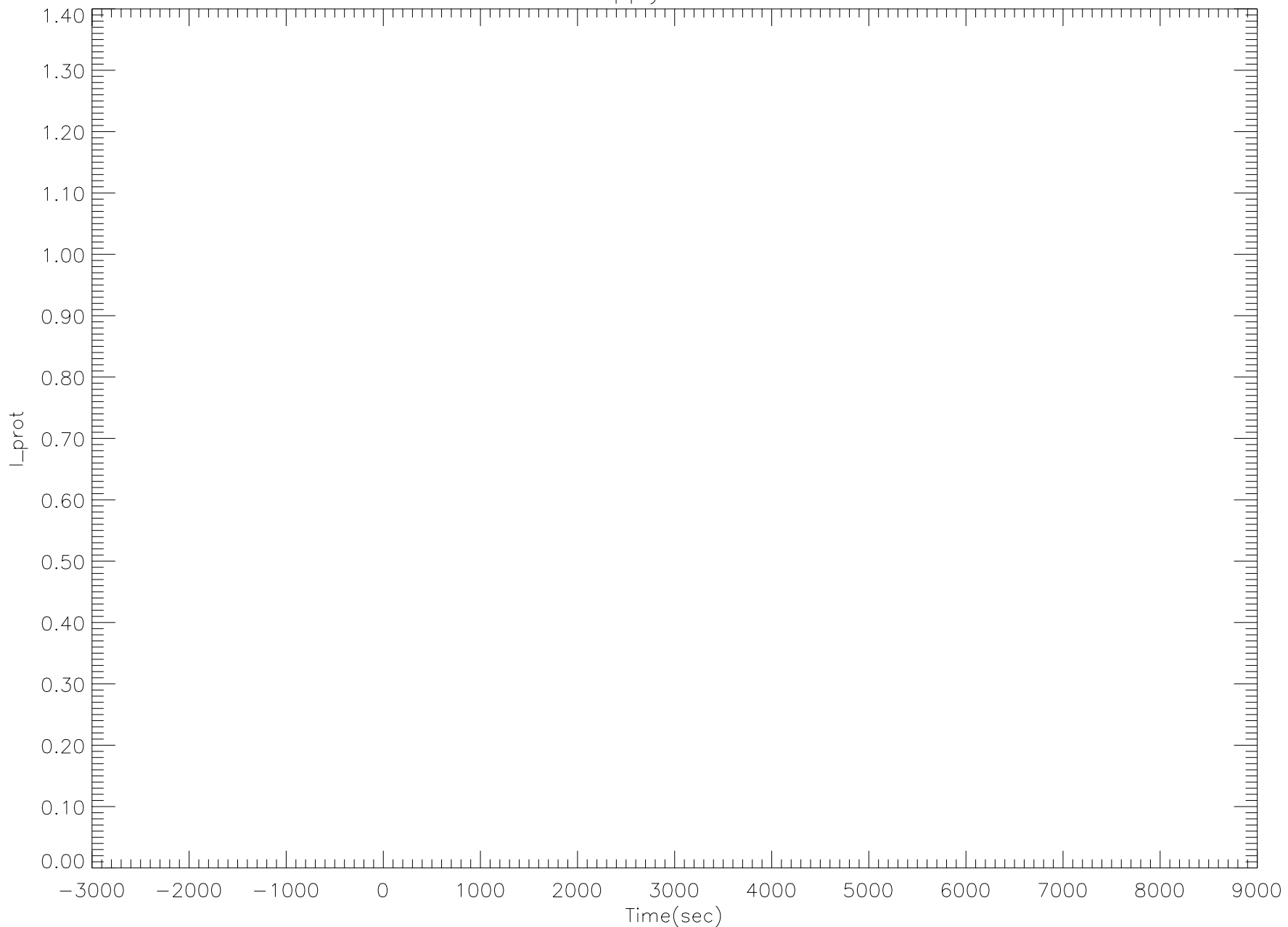
**(raw file o420sg\_\_.1h\_)**

# HP Power Supply Main Current

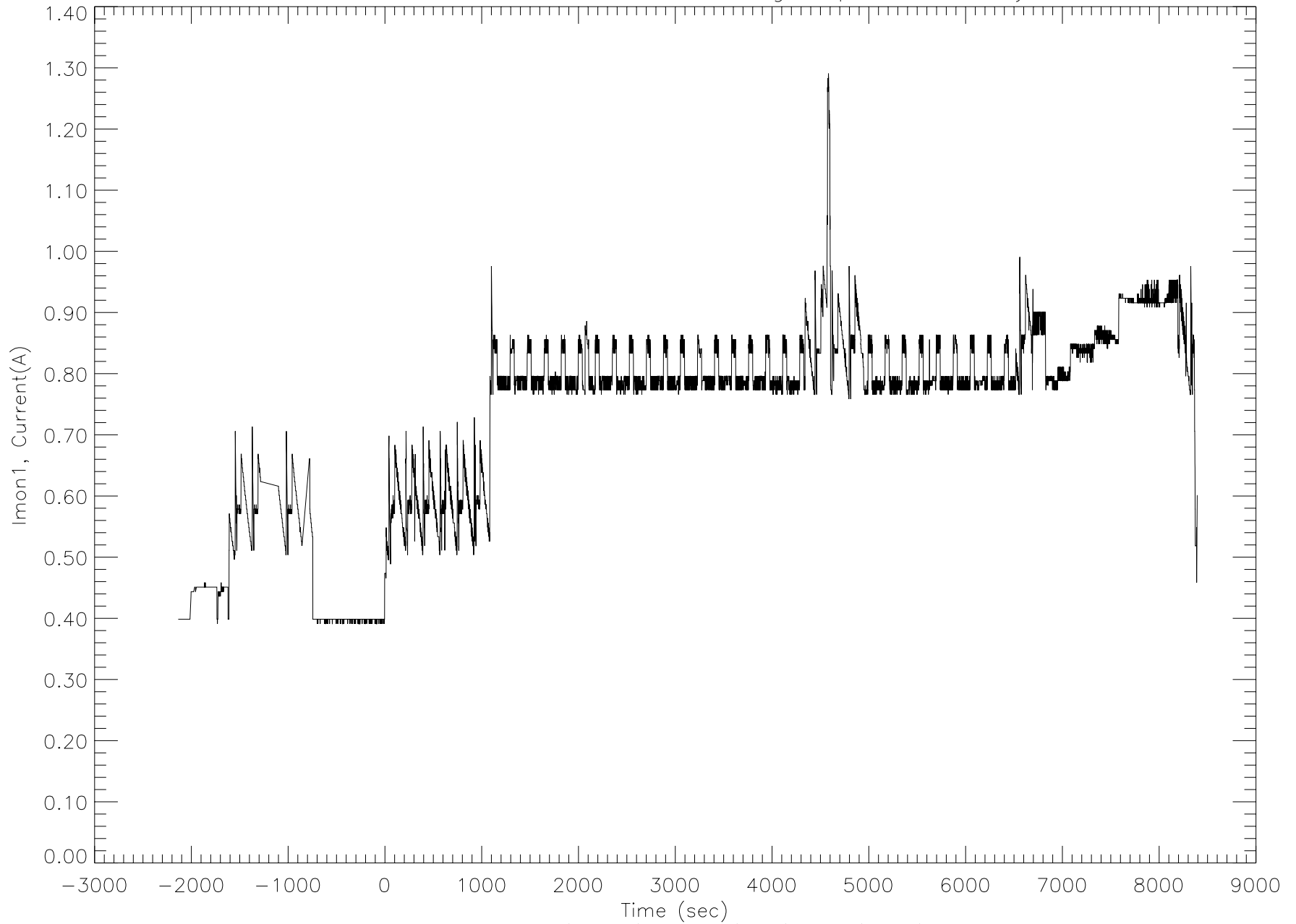


Printed: Thu Jul 15 13:11:16 2004 Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_L\_Plus\_82\_Mo-CO2

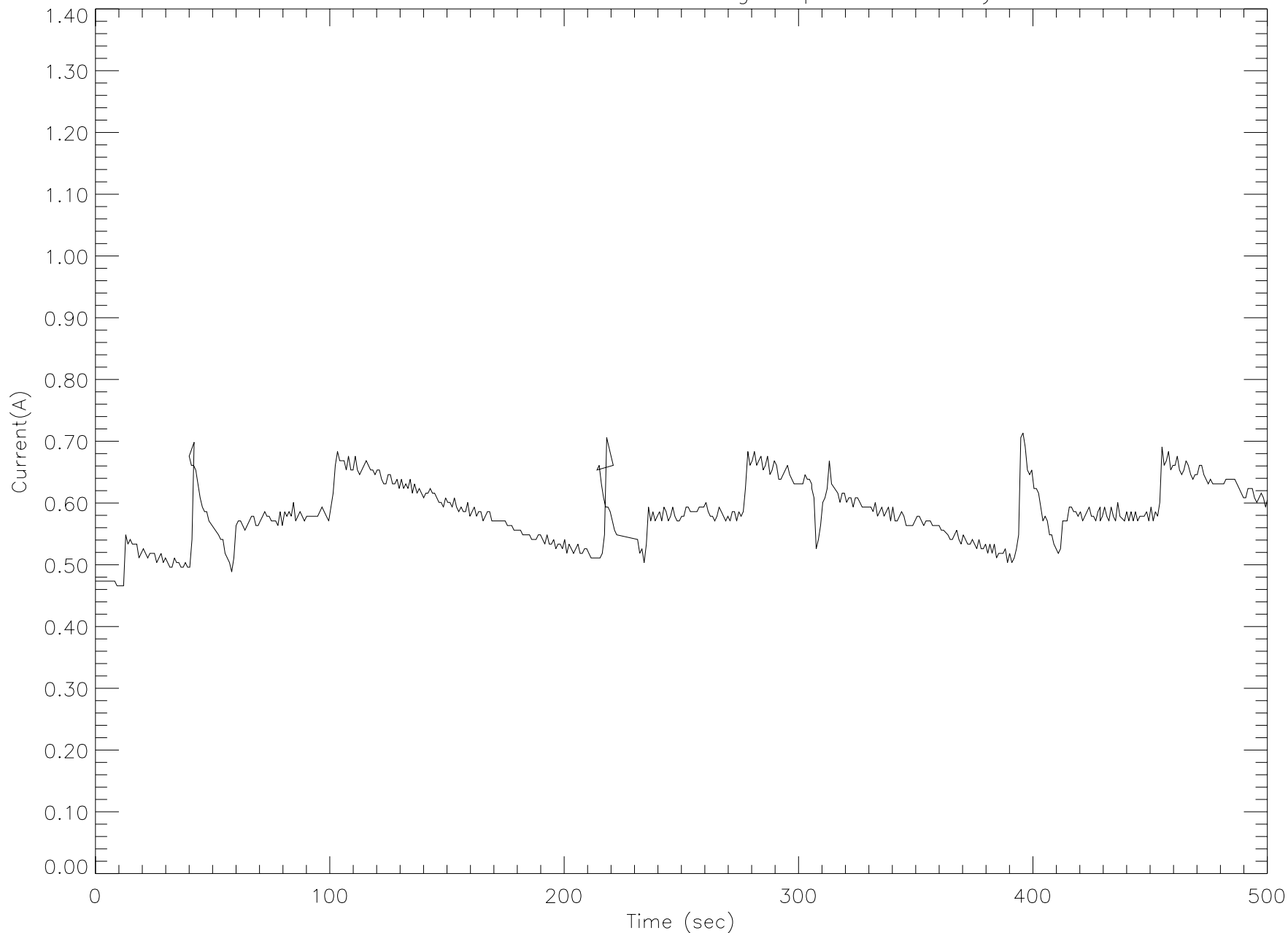
# HP Power Supply Protected Current



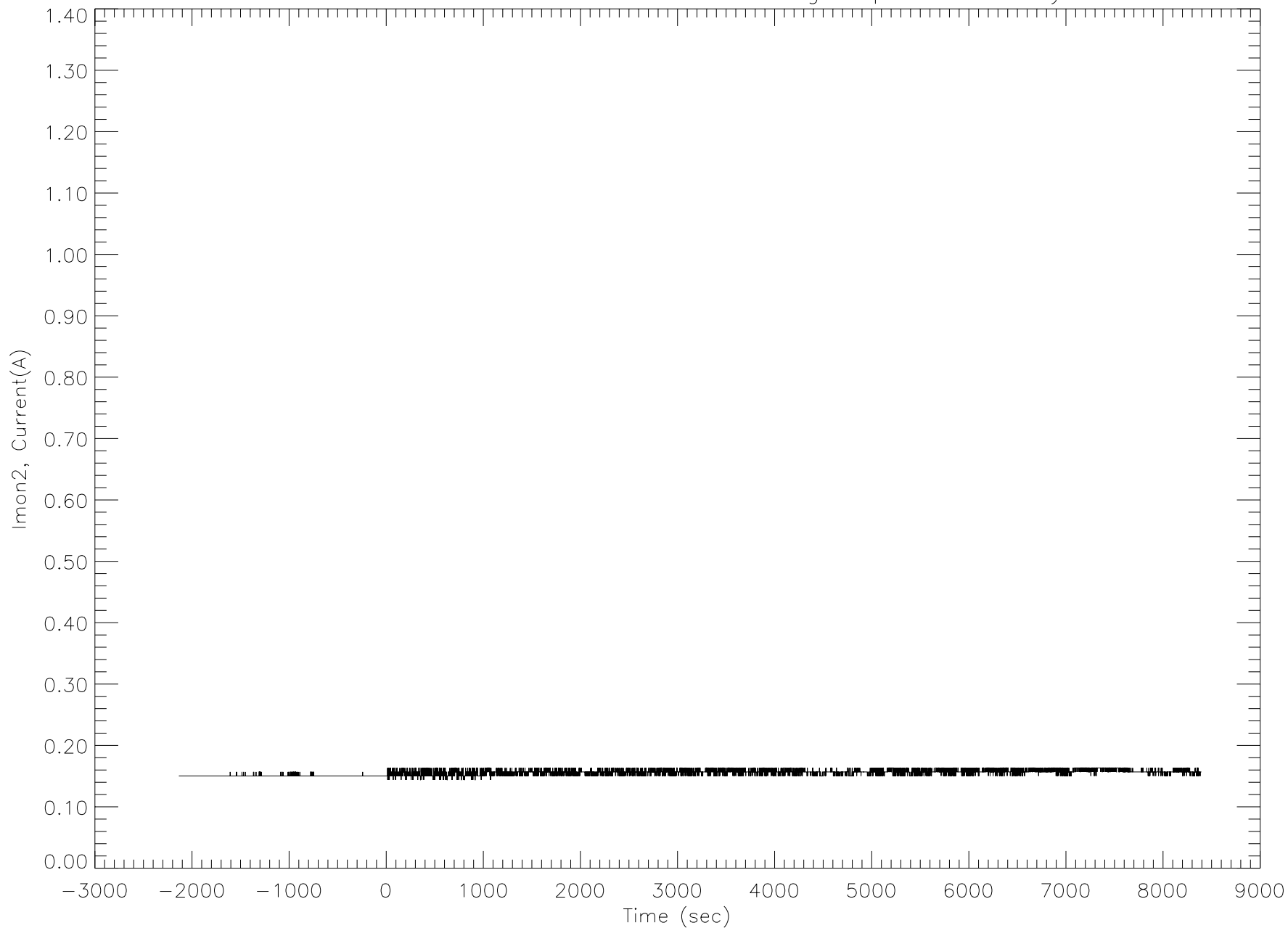
GCMS Main Current vs MET from High-Speed Telemetry



GCMS Imon1 vs MET from High-Speed Telemetry

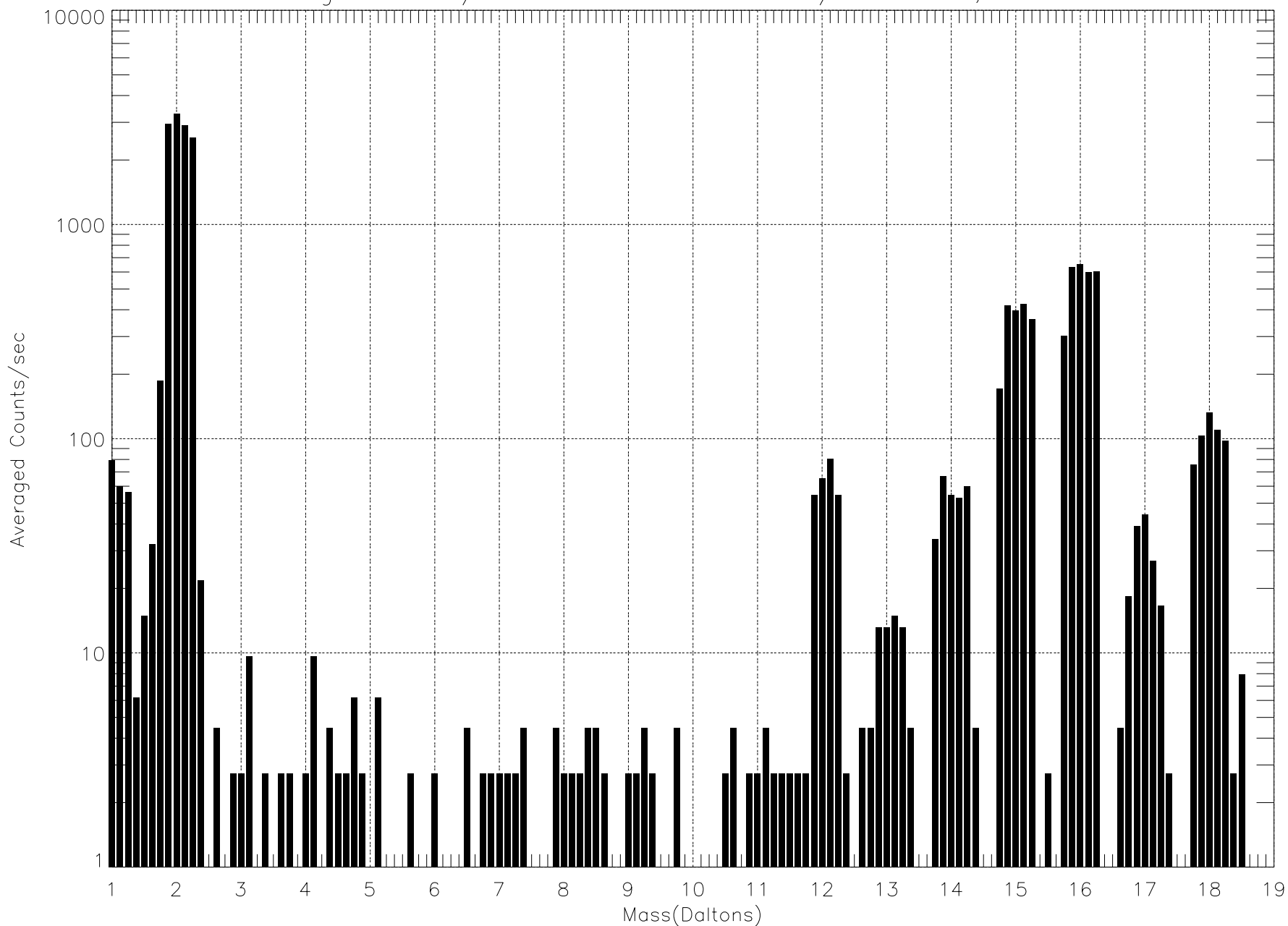


# GCMS Protected Current vs MET from High-Speed Telemetry



Printed: Thu Jul 15 13:12:17 2004 Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_LL\_Plus\_82\_Mo-CO2

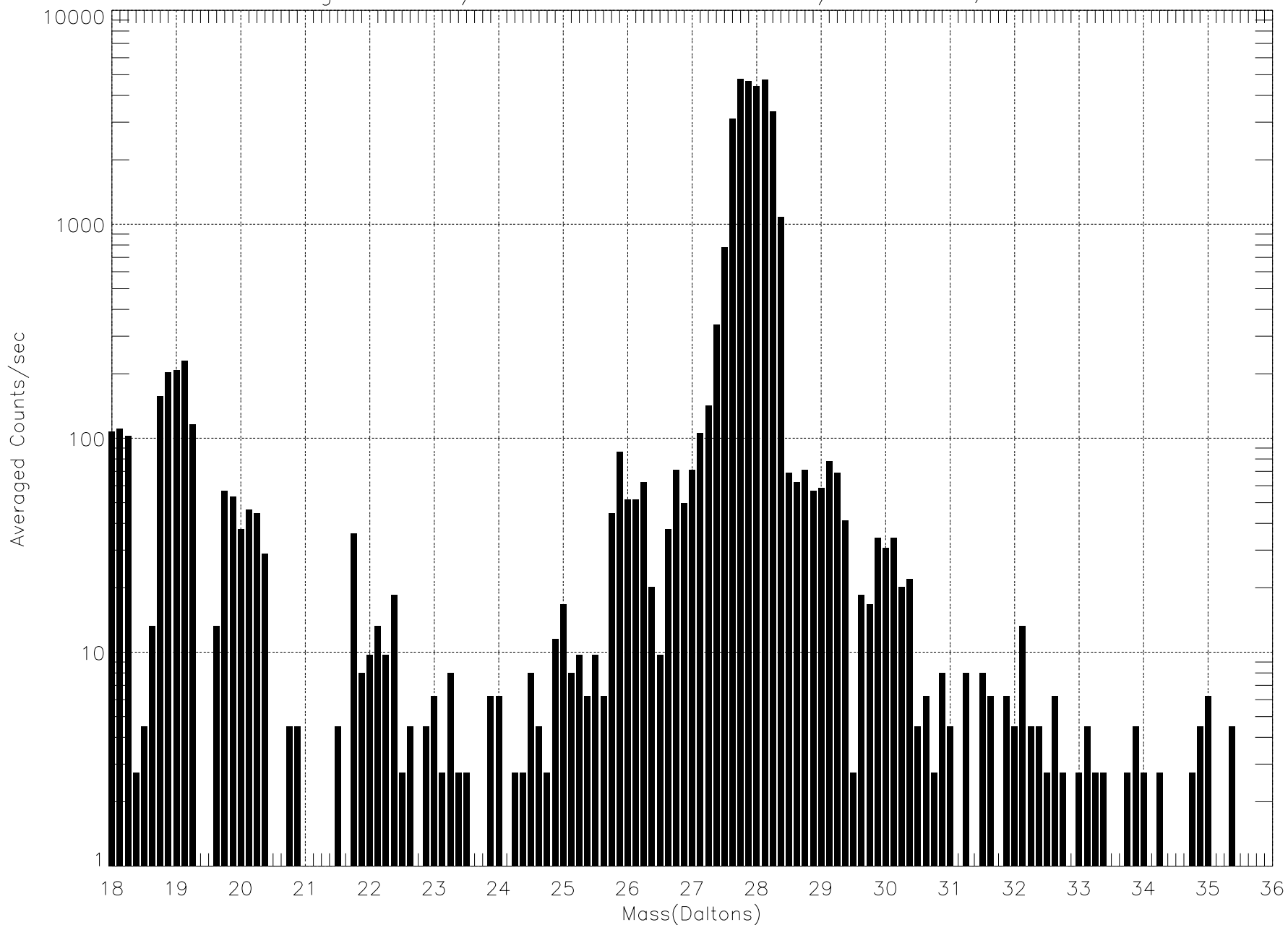
Averaged Counts/sec vs Serial Number S/N = 897 , Mode = 3



Printed: Thu Jul 15 13:12:50 2004

Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_L\_Plus\_82\_Mo-CO2

Averaged Counts/sec vs Serial Number S/N = 898 , Mode = 3

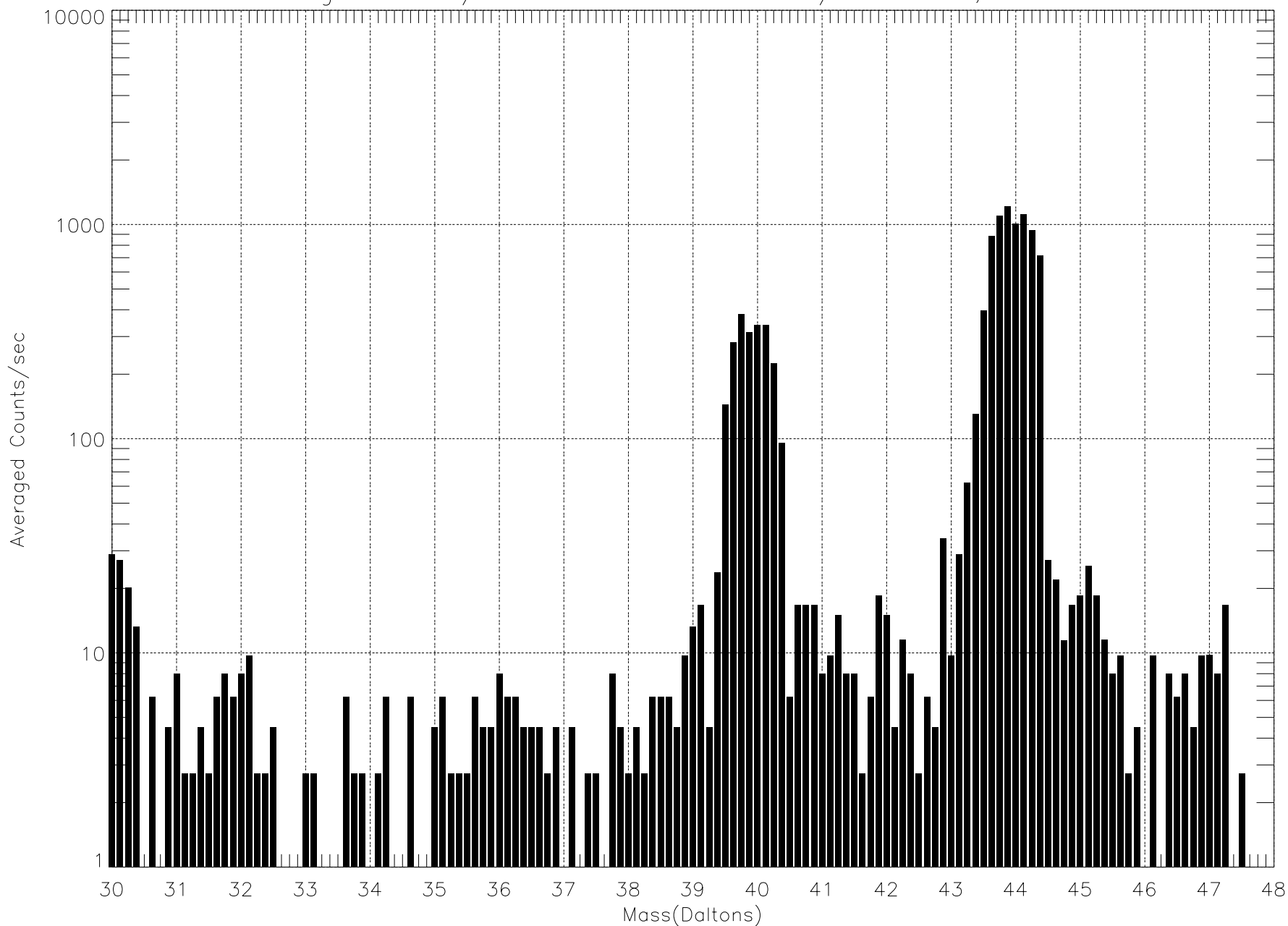


Printed: Thu Jul 15 13:12:50 2004

Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_L\_Plus\_82\_Mo-CO2

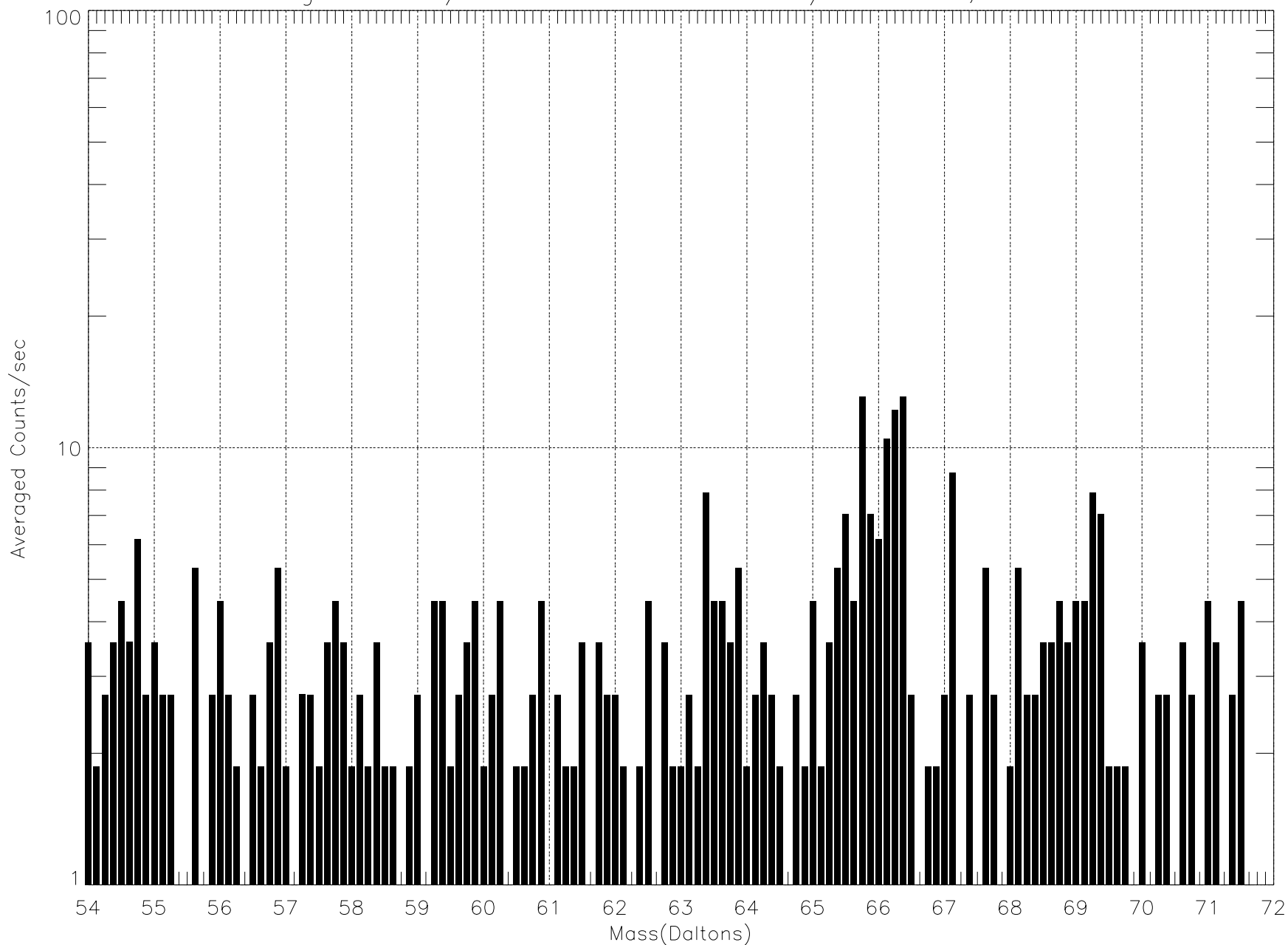


Averaged Counts/sec vs Serial Number S/N = 899 , Mode = 3



Printed: Thu Jul 15 13:12:50 2004 Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_L\_Plus\_82\_Mo-CO2

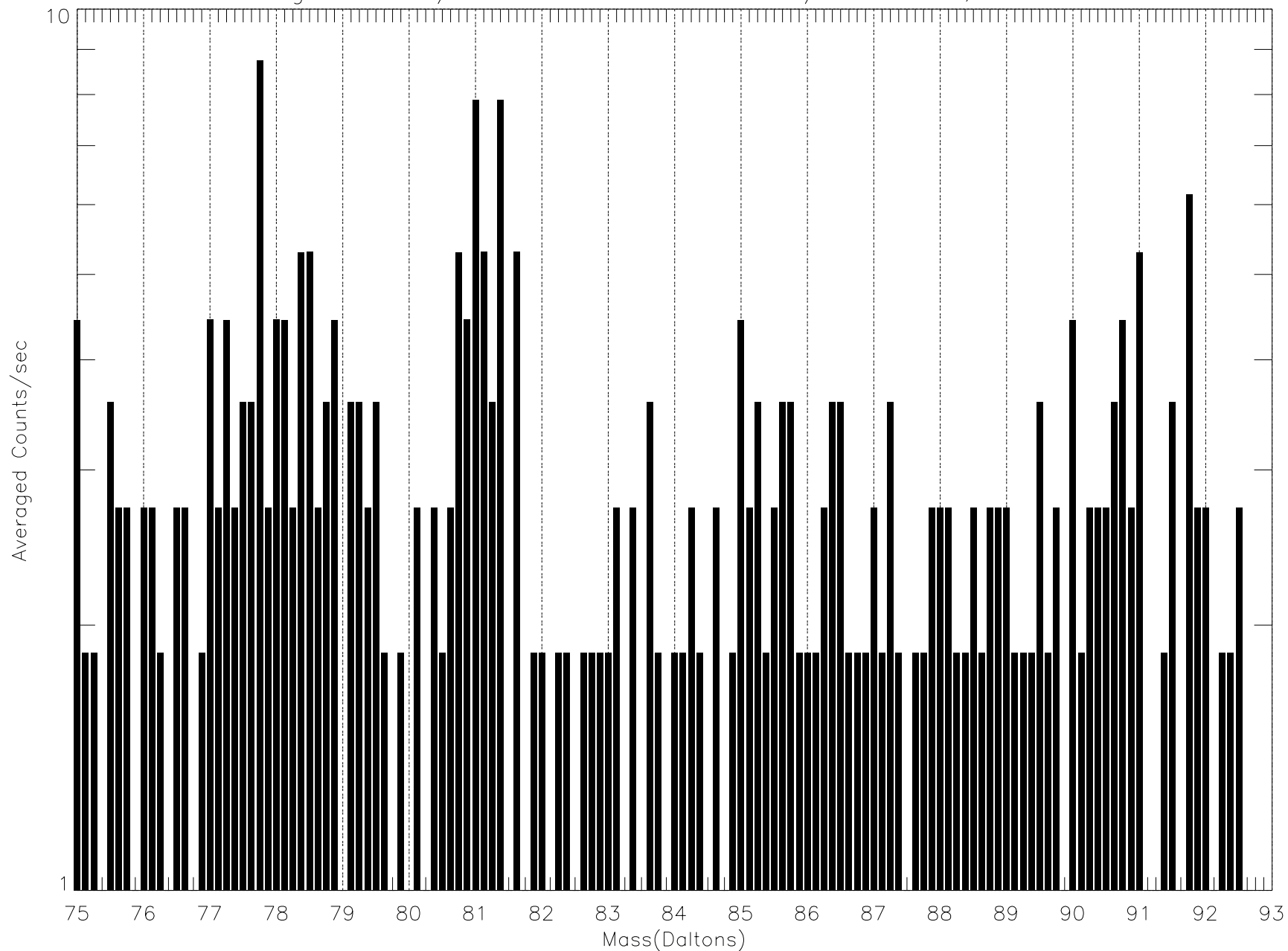
Averaged Counts/sec vs Serial Number S/N = 900 , Mode = 3



Printed: Thu Jul 15 13:12:50 2004

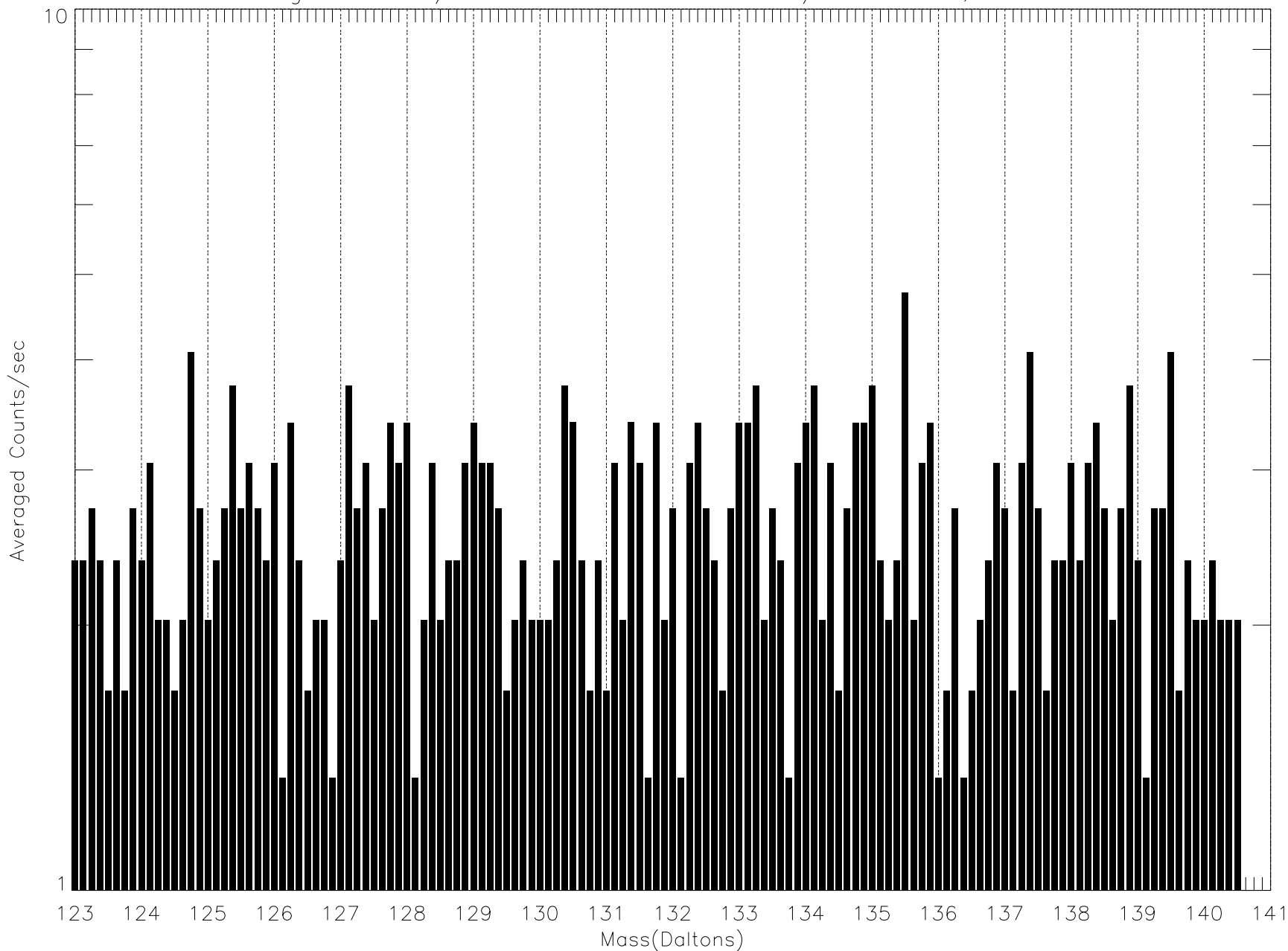
Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_L\_Plus\_82\_Mo-CO2

Averaged Counts/sec vs Serial Number S/N = 901 , Mode = 3



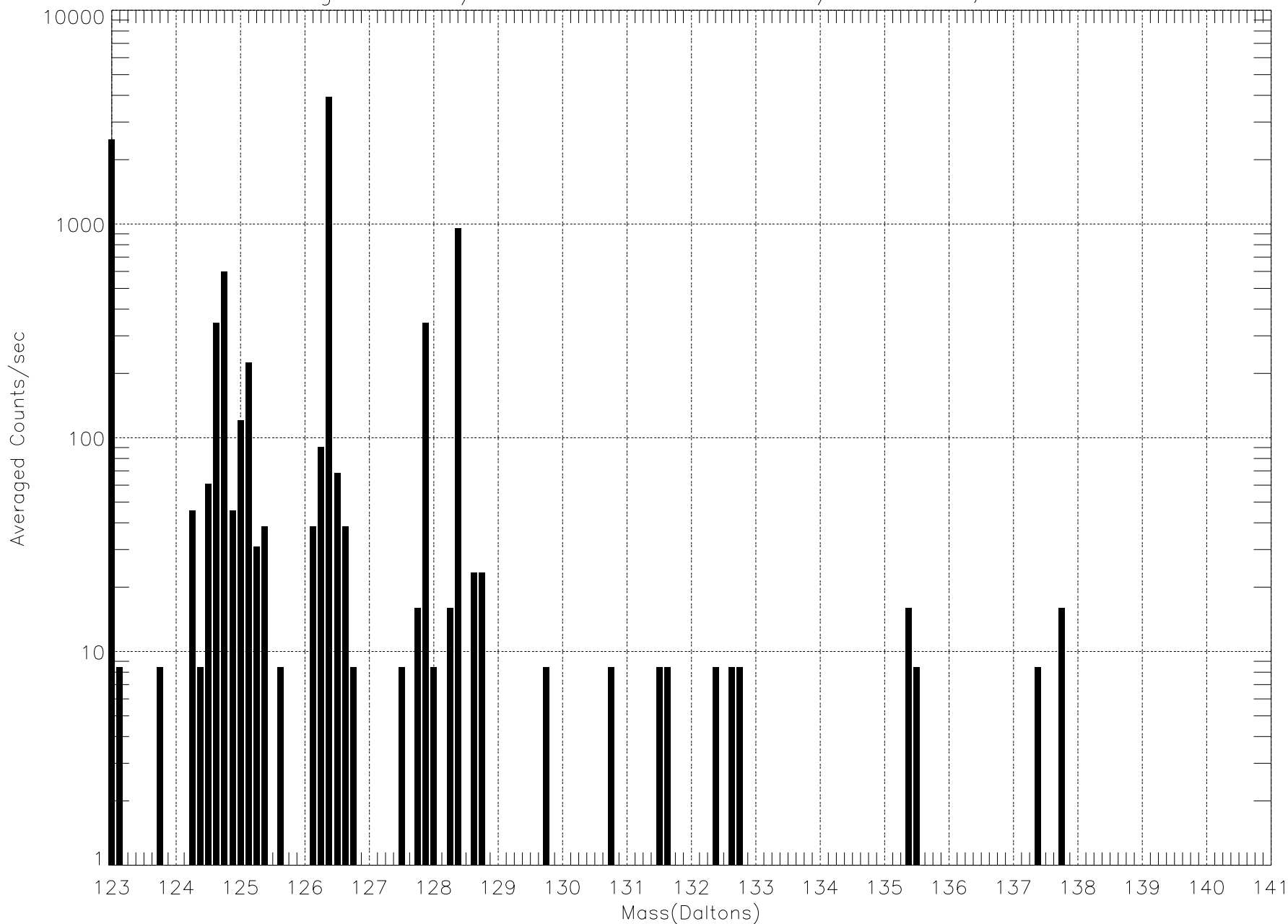
Printed: Thu Jul 15 13:12:50 2004 Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_L\_Plus\_82\_Mo-CO2

Averaged Counts/sec vs Serial Number S/N = 902 , Mode = 3



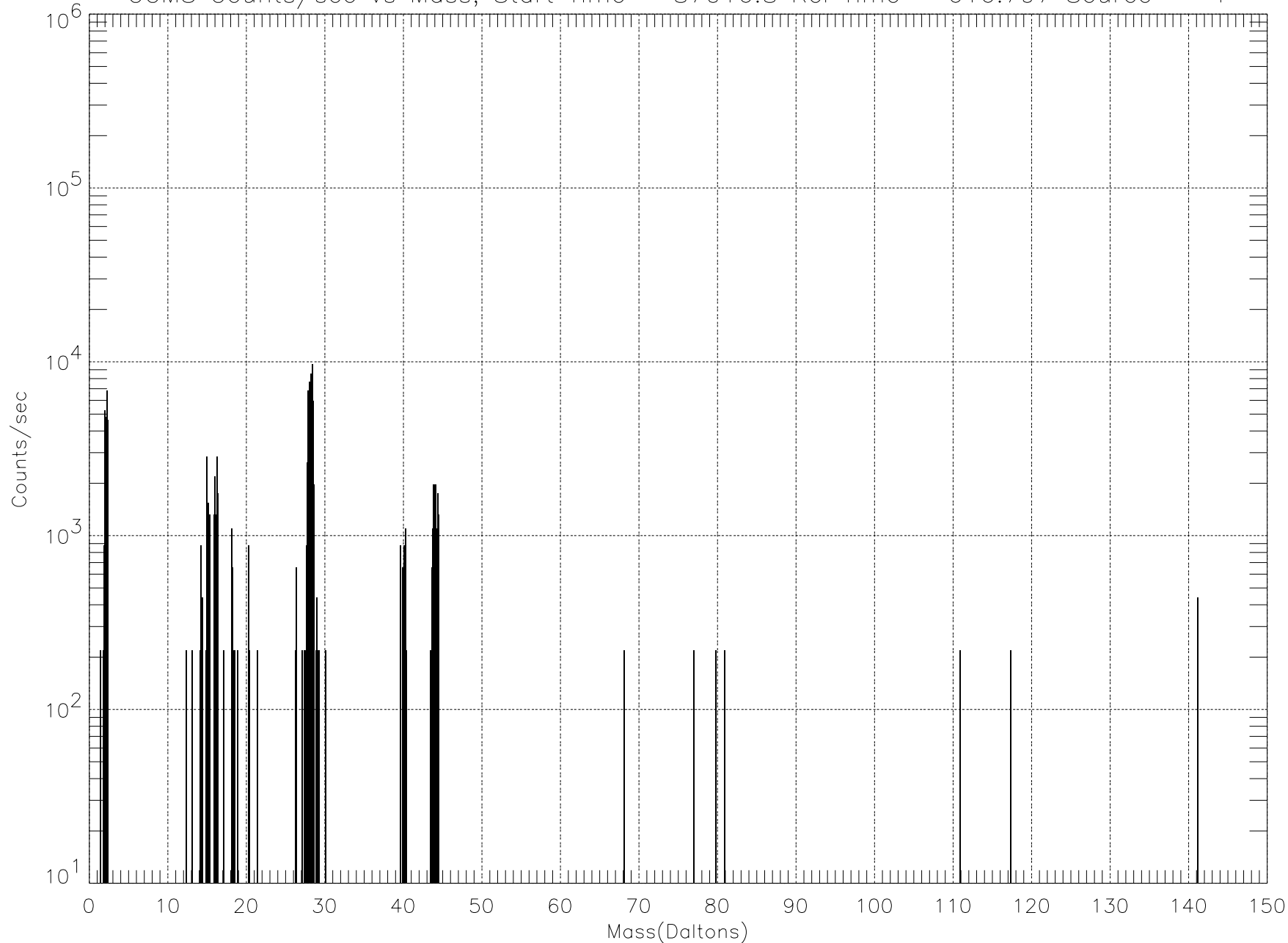
Printed: Thu Jul 15 13:12:50 2004 Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_L\_Plus\_82\_Mo-CO2

Averaged Counts/sec vs Serial Number S/N = 903 , Mode = 3



Printed: Thu Jul 15 13:12:50 2004 Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_L\_Plus\_82\_Mo-CO2

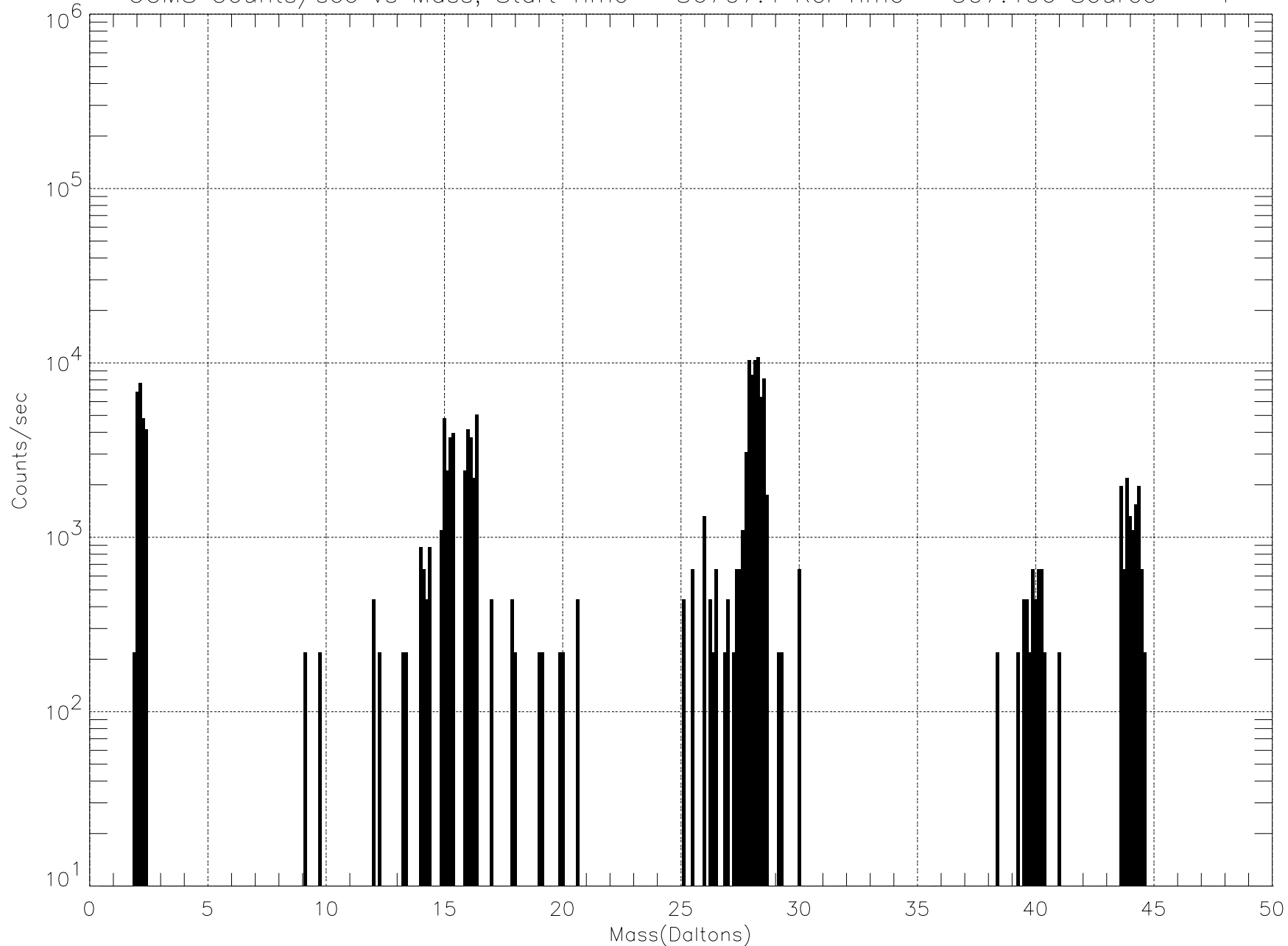
GCMS Counts/sec vs Mass, Start Time = 87016.8 Rel Time = 616.797 Source = 1



Printed: Thu Jul 15 13:16:51 2004

Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_L\_Plus\_82\_Mo-CO2

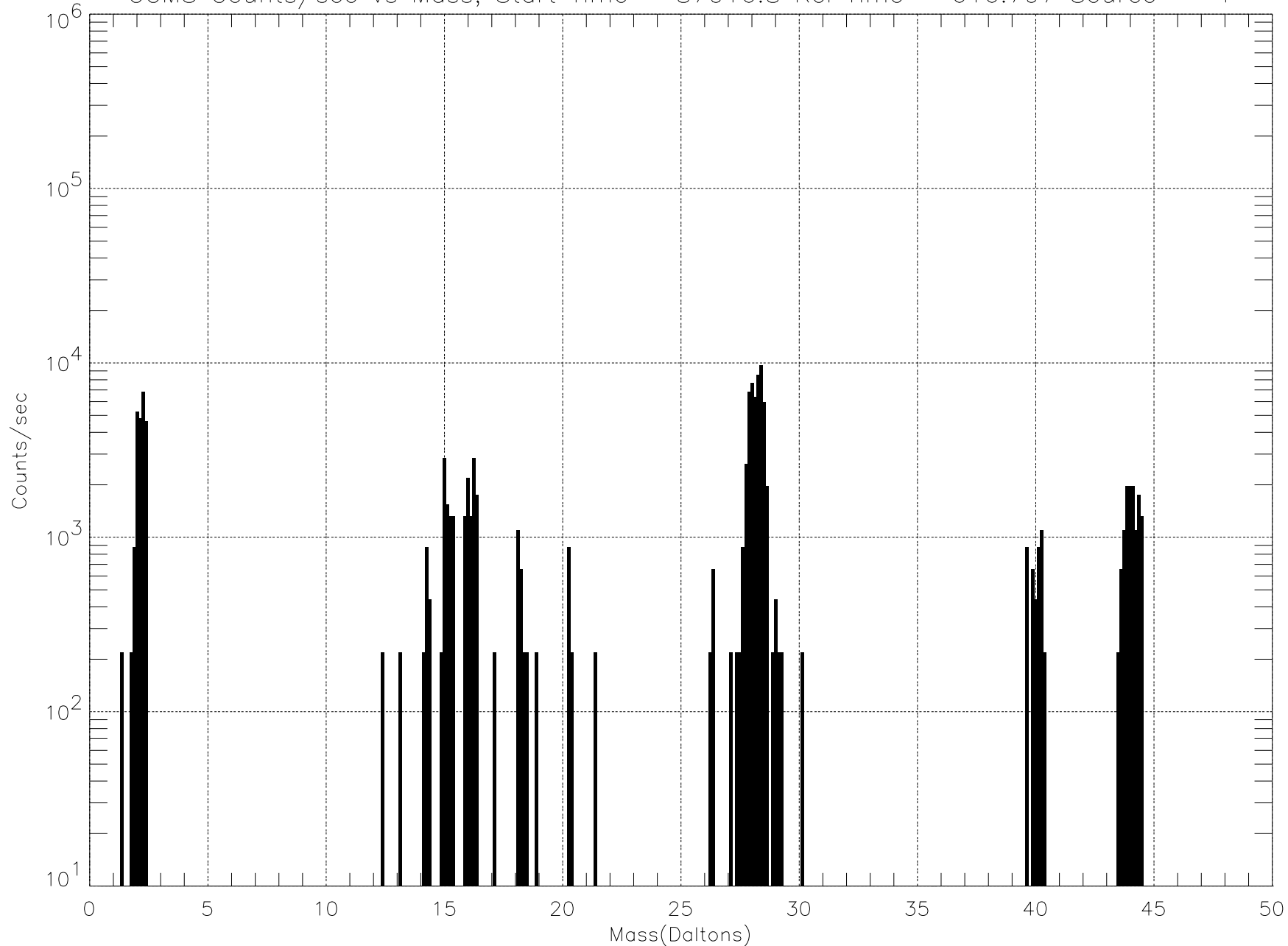
GCMS Counts/sec vs Mass, Start Time = 86707.4 Rel Time = 307.406 Source = 1



Printed: Thu Jul 15 13:17:06 2004

Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_LL\_Plus\_82\_Mo-CO2

GCMS Counts/sec vs Mass, Start Time = 87016.8 Rel Time = 616.797 Source = 1

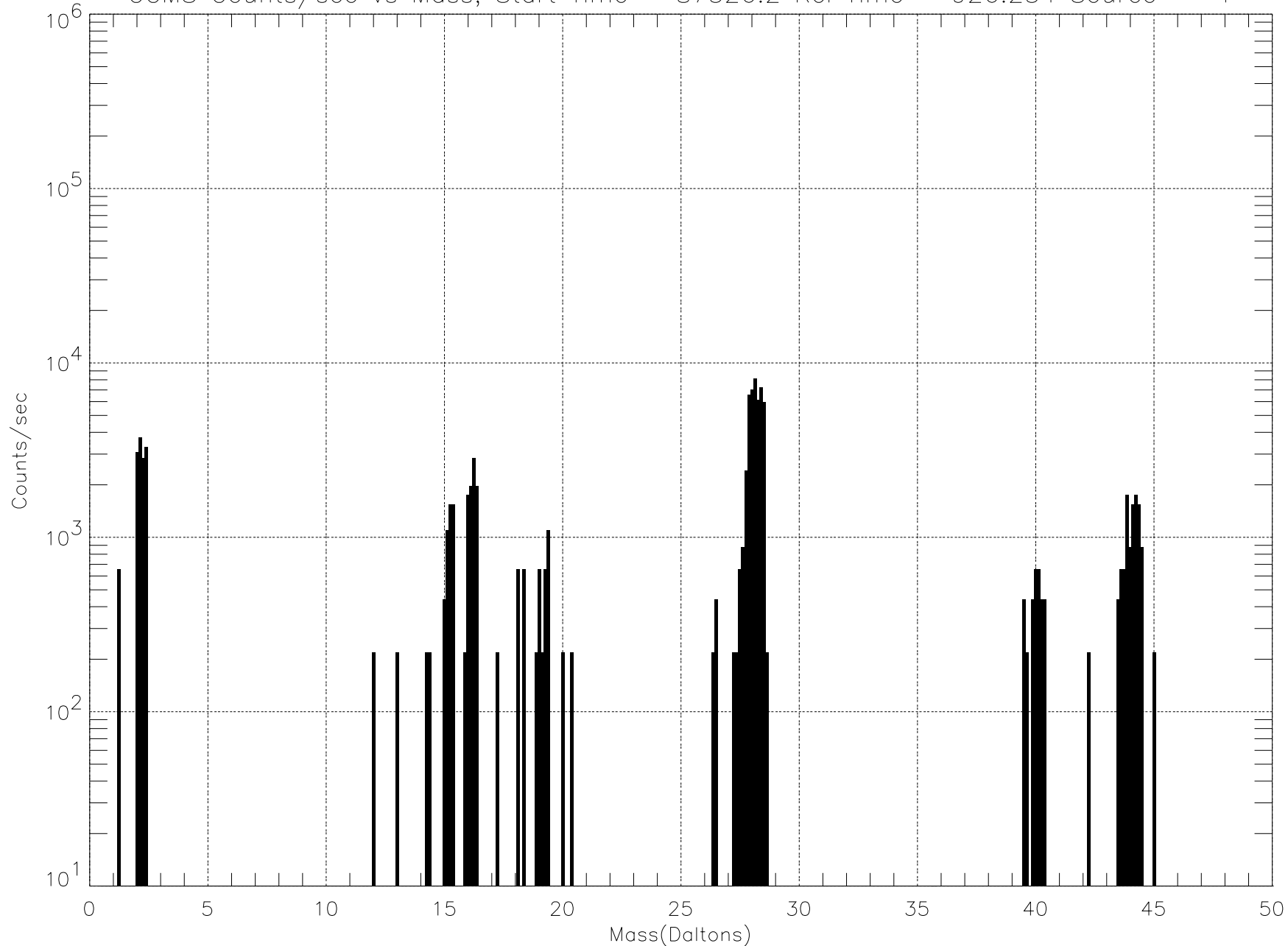


Printed: Thu Jul 15 13:17:06 2004

Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_L\_Plus\_82\_Mo-CO2



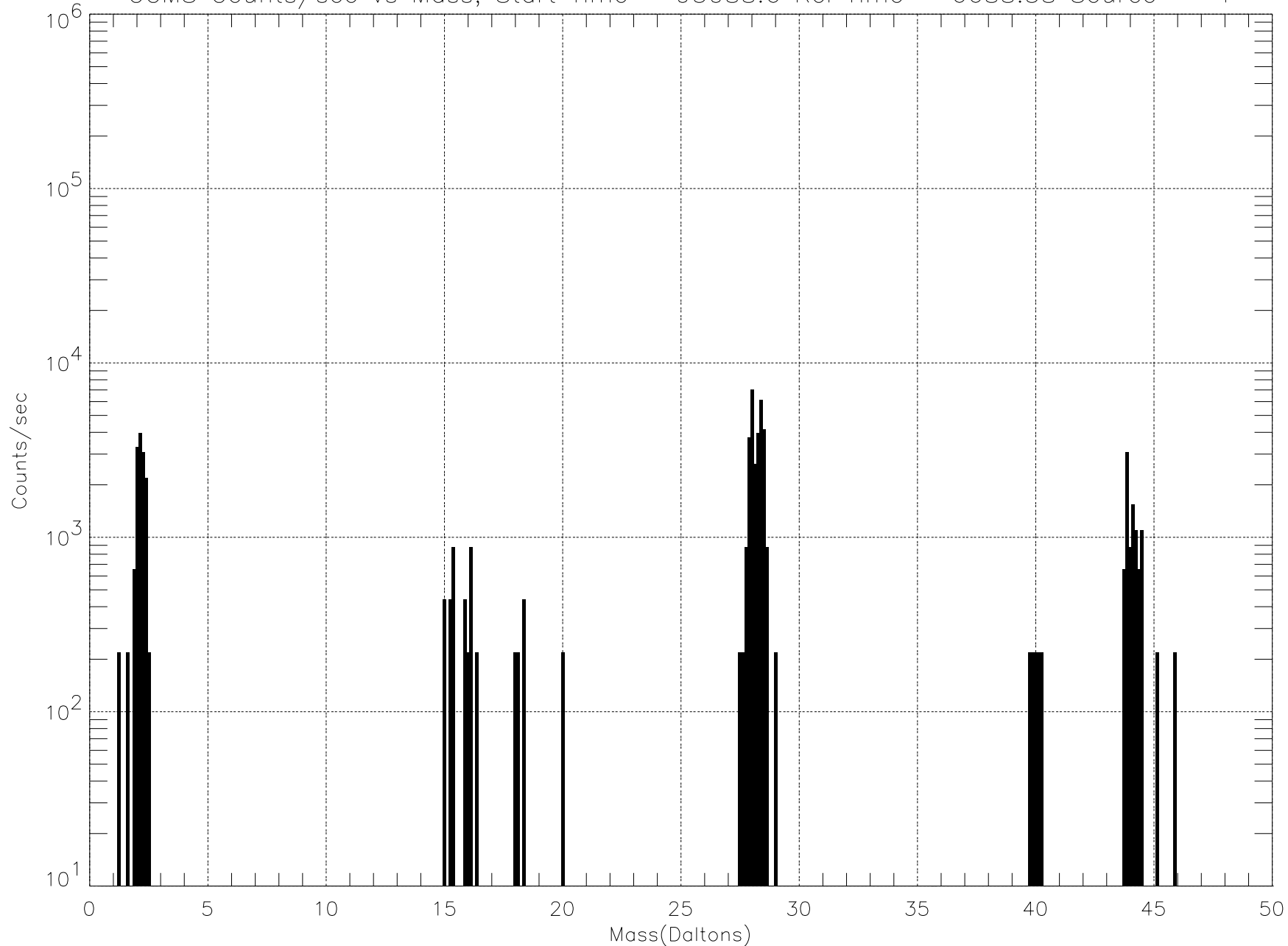
GCMS Counts/sec vs Mass, Start Time = 87326.2 Rel Time = 926.234 Source = 1



Printed: Thu Jul 15 13:17:06 2004

Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_L\_Plus\_82\_Mo-CO2

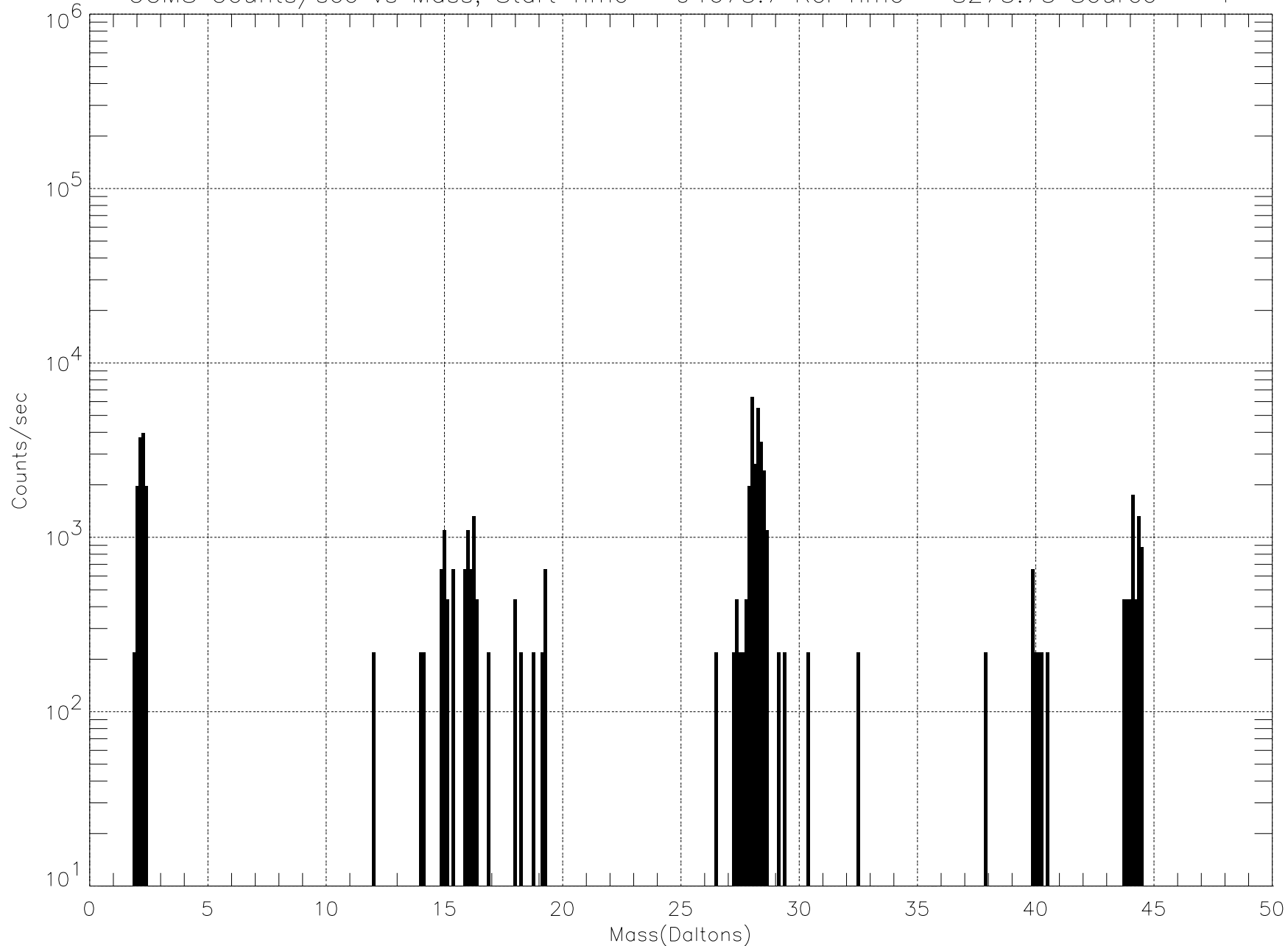
GCMS Counts/sec vs Mass, Start Time = 93088.6 Rel Time = 6688.58 Source = 1



Printed: Thu Jul 15 13:17:06 2004

Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_L\_Plus\_82\_Mo-CO2

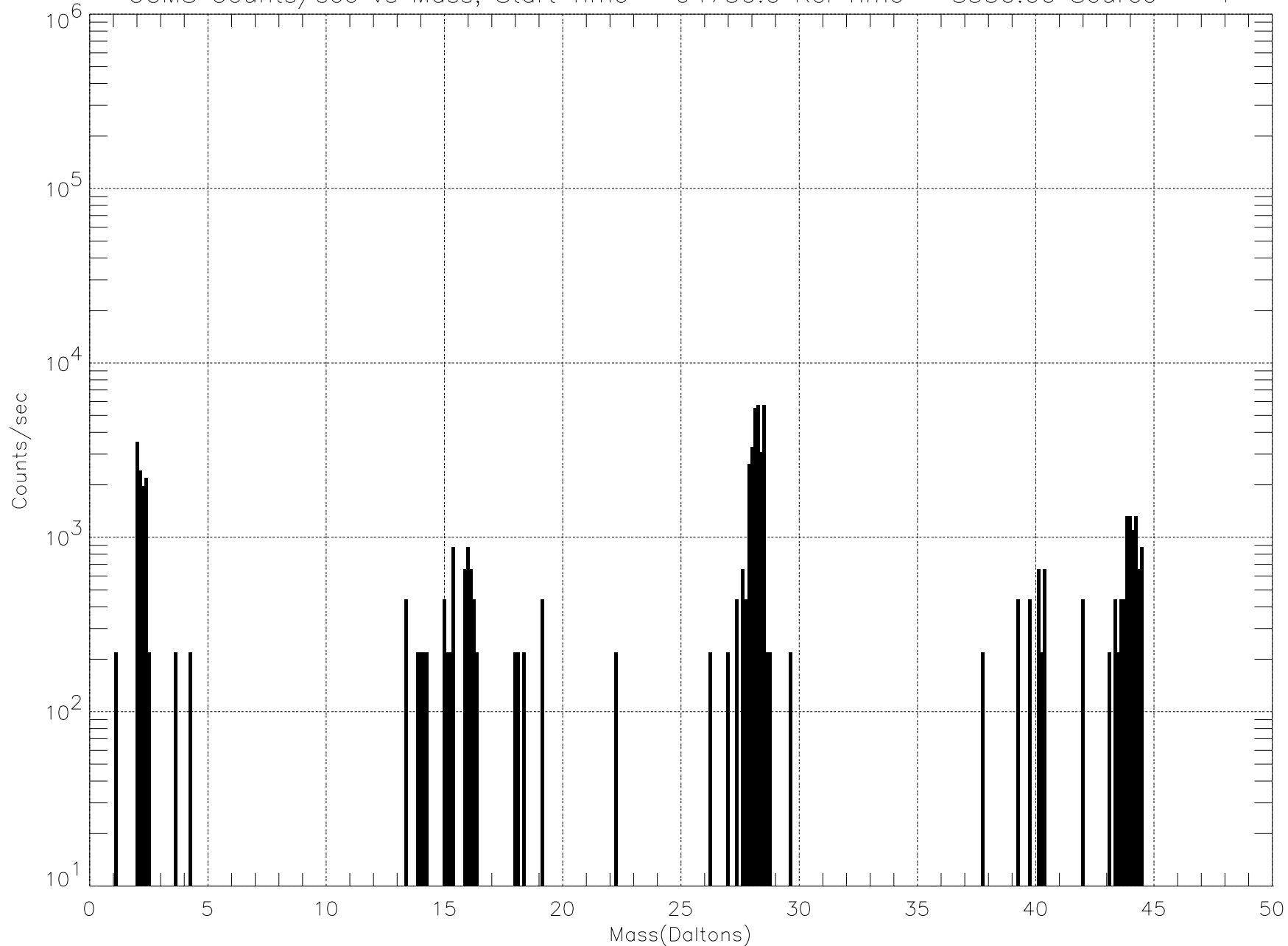
GCMS Counts/sec vs Mass, Start Time = 94673.7 Rel Time = 8273.73 Source = 1



Printed: Thu Jul 15 13:17:06 2004

Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_LL\_Plus\_82\_Mo-CO2

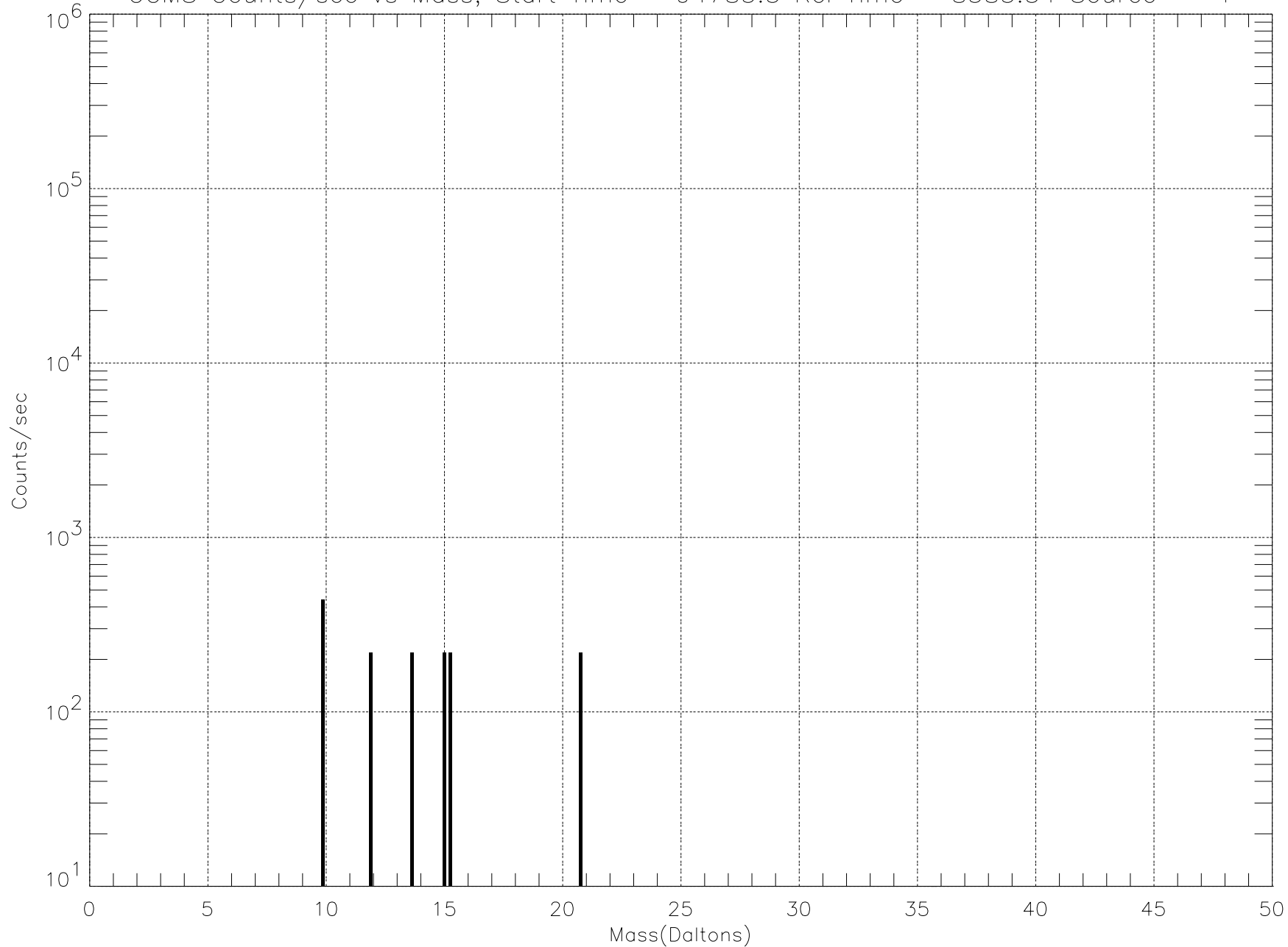
GCMS Counts/sec vs Mass, Start Time = 94730.0 Rel Time = 8330.00 Source = 1



Printed: Thu Jul 15 13:17:06 2004

Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_LL\_Plus\_82\_Mo-CO2

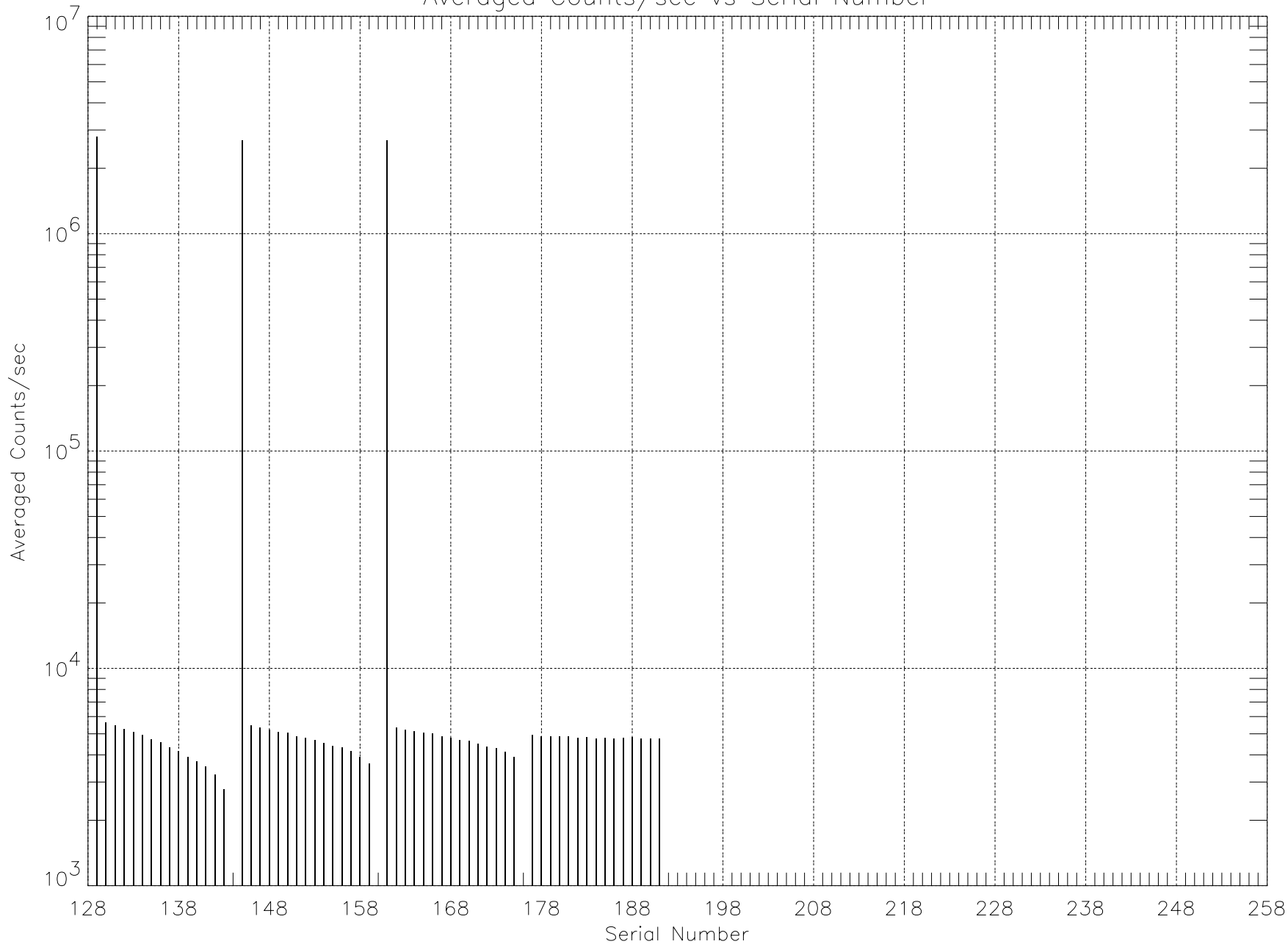
GCMS Counts/sec vs Mass, Start Time = 94785.3 Rel Time = 8385.34 Source = 1



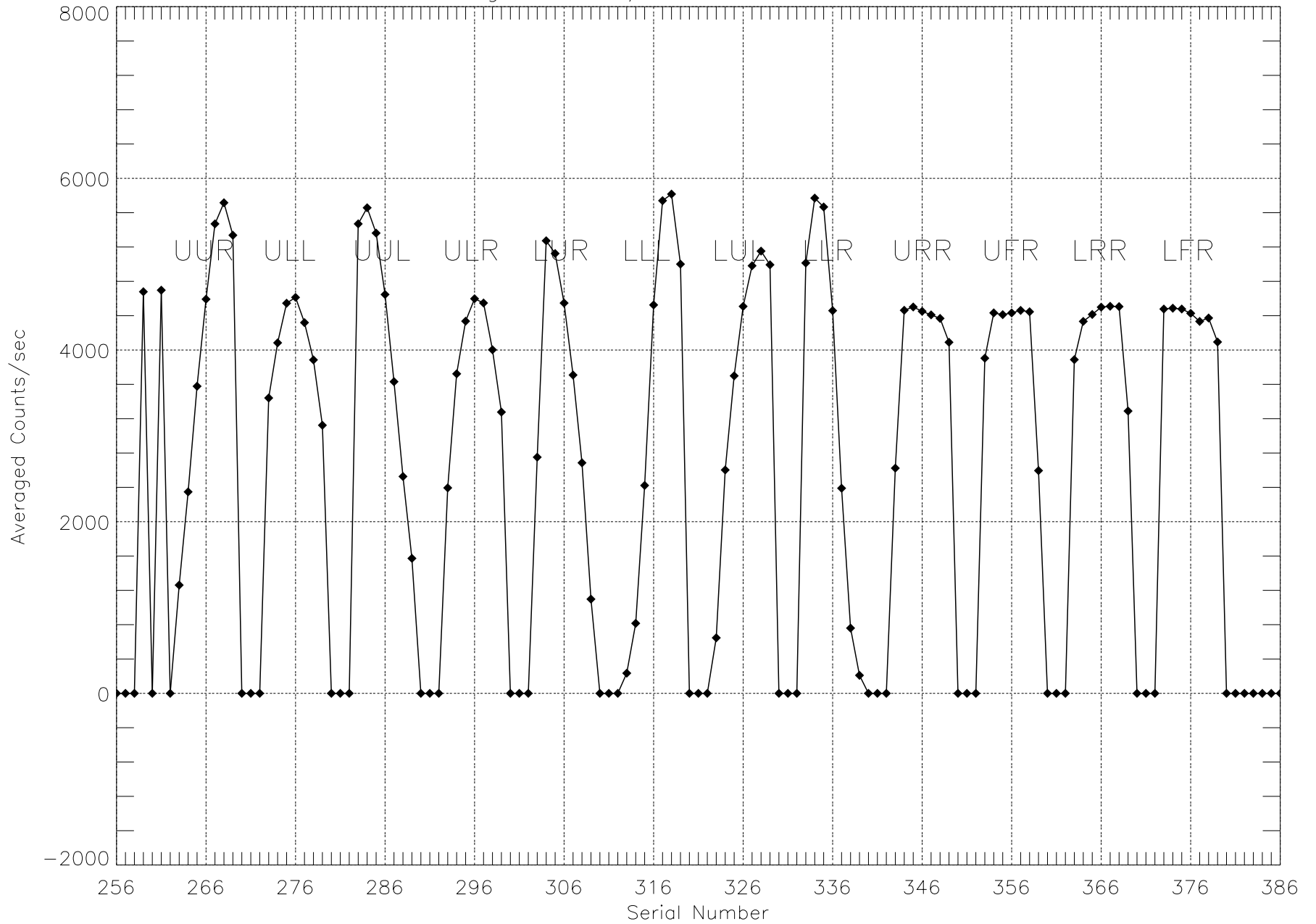
Printed: Thu Jul 15 13:17:06 2004

Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_L\_Plus\_82\_Mo-CO2

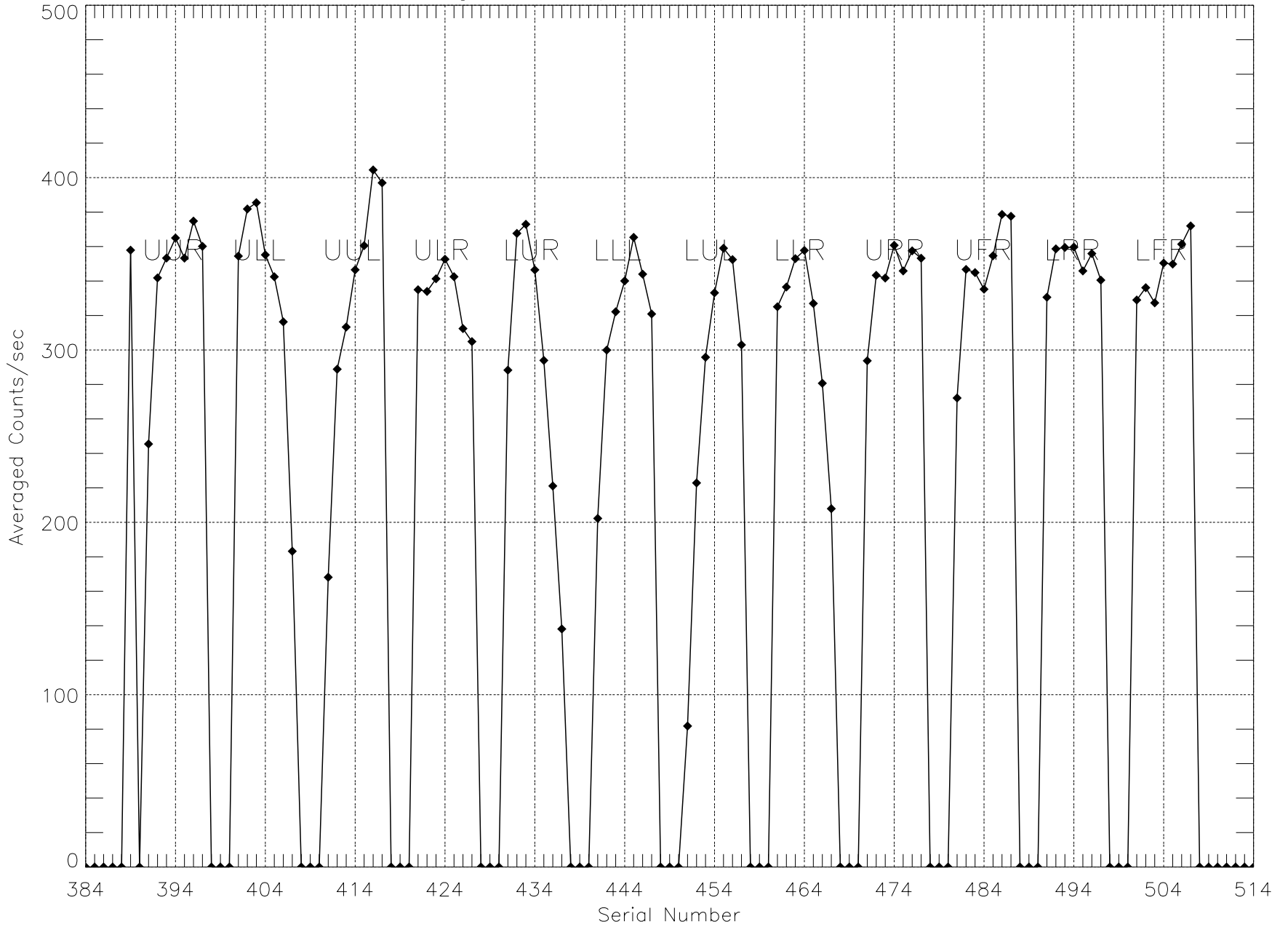
Averaged Counts/sec vs Serial Number



Averaged Counts/sec vs Serial Number, IS1

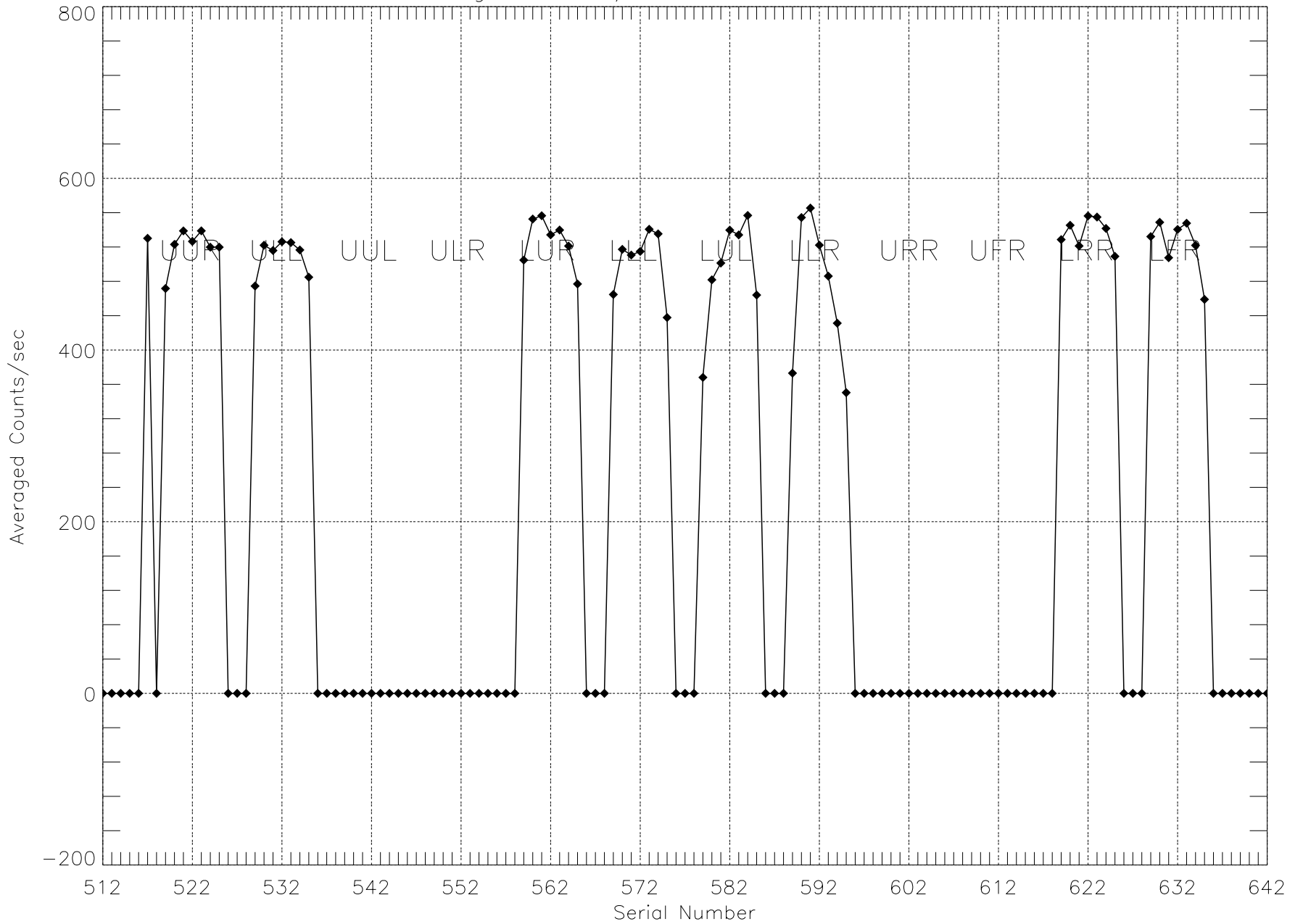


Averaged Counts/sec vs Serial Number, IS2

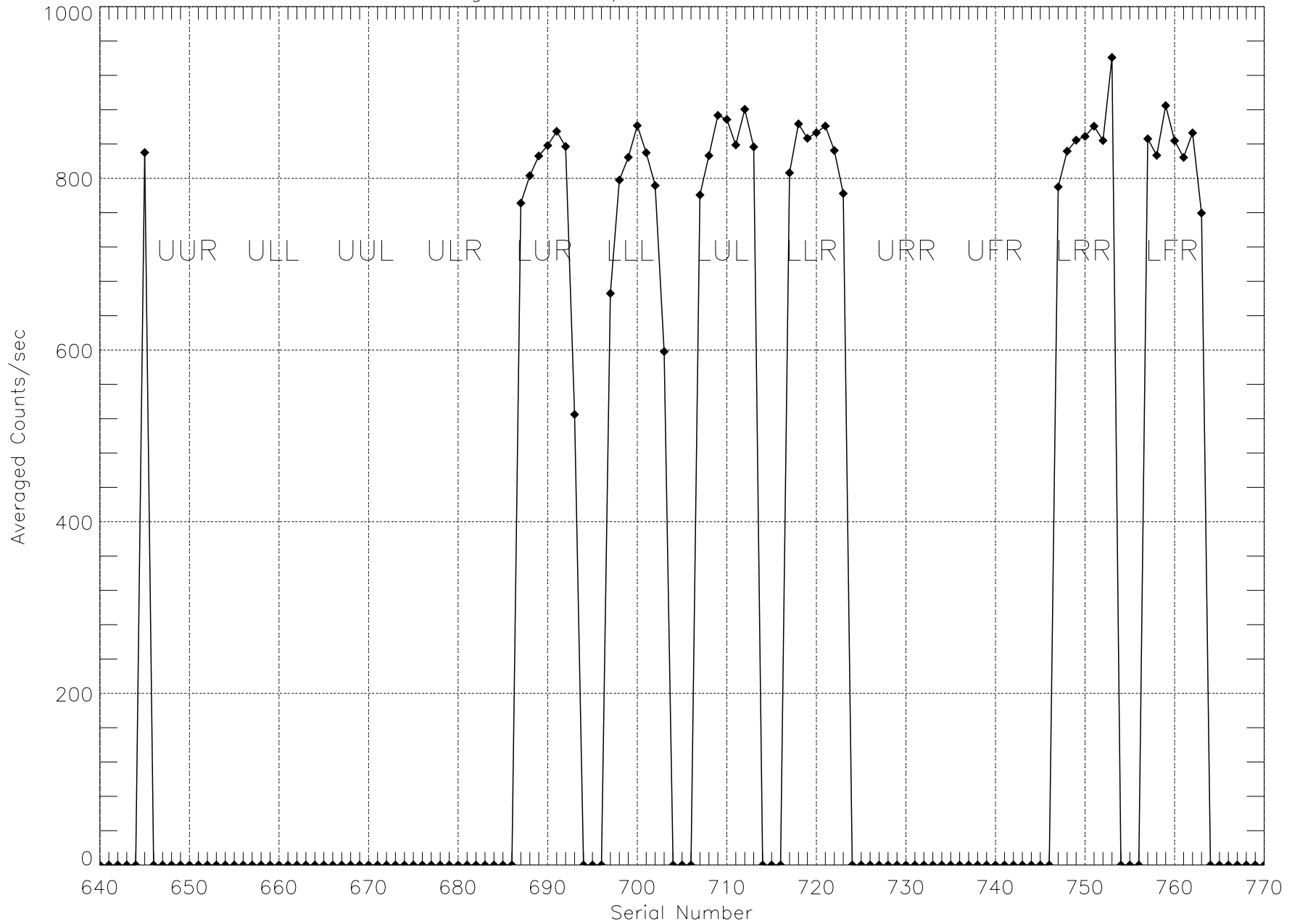




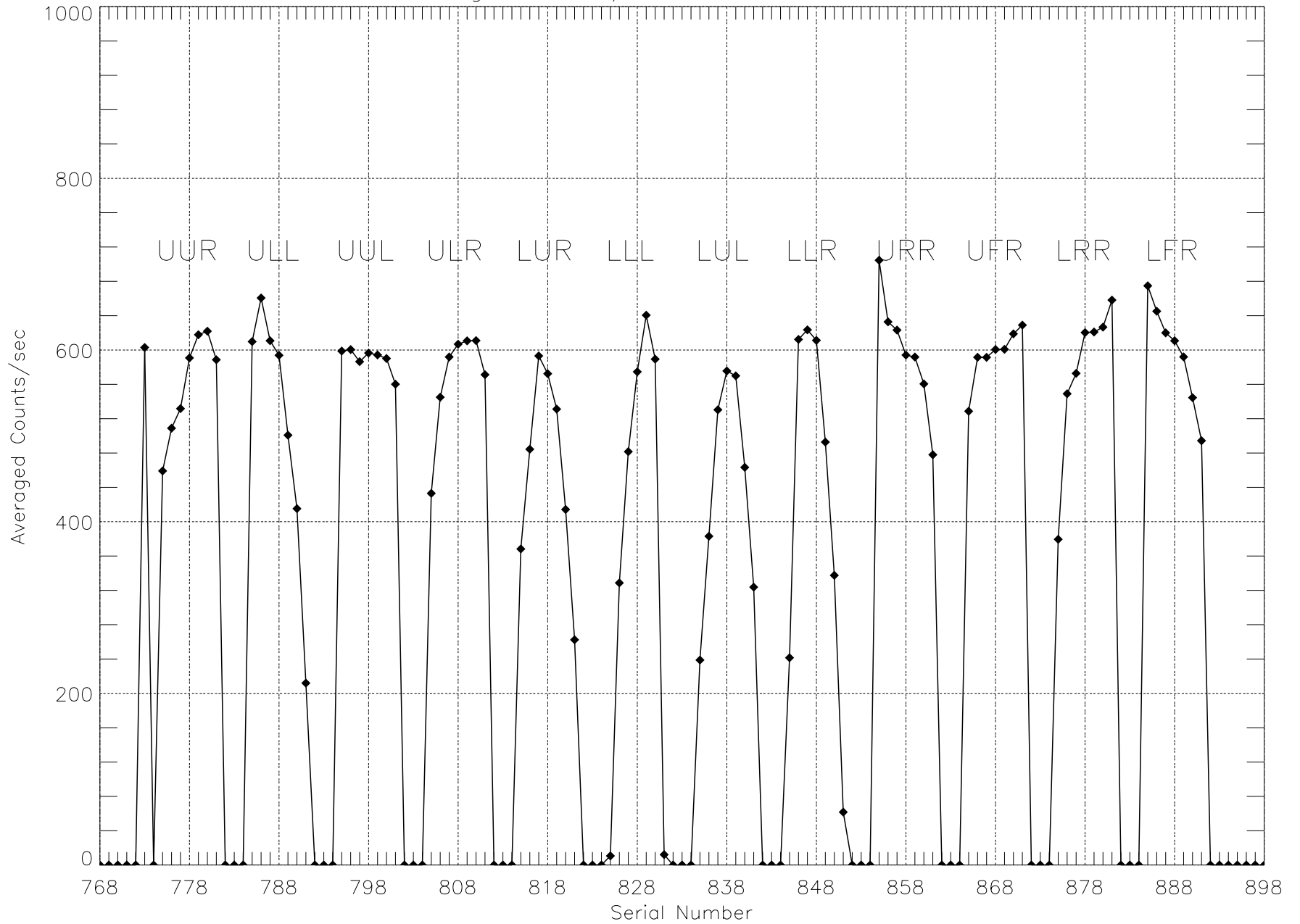
Averaged Counts/sec vs Serial Number, IS3



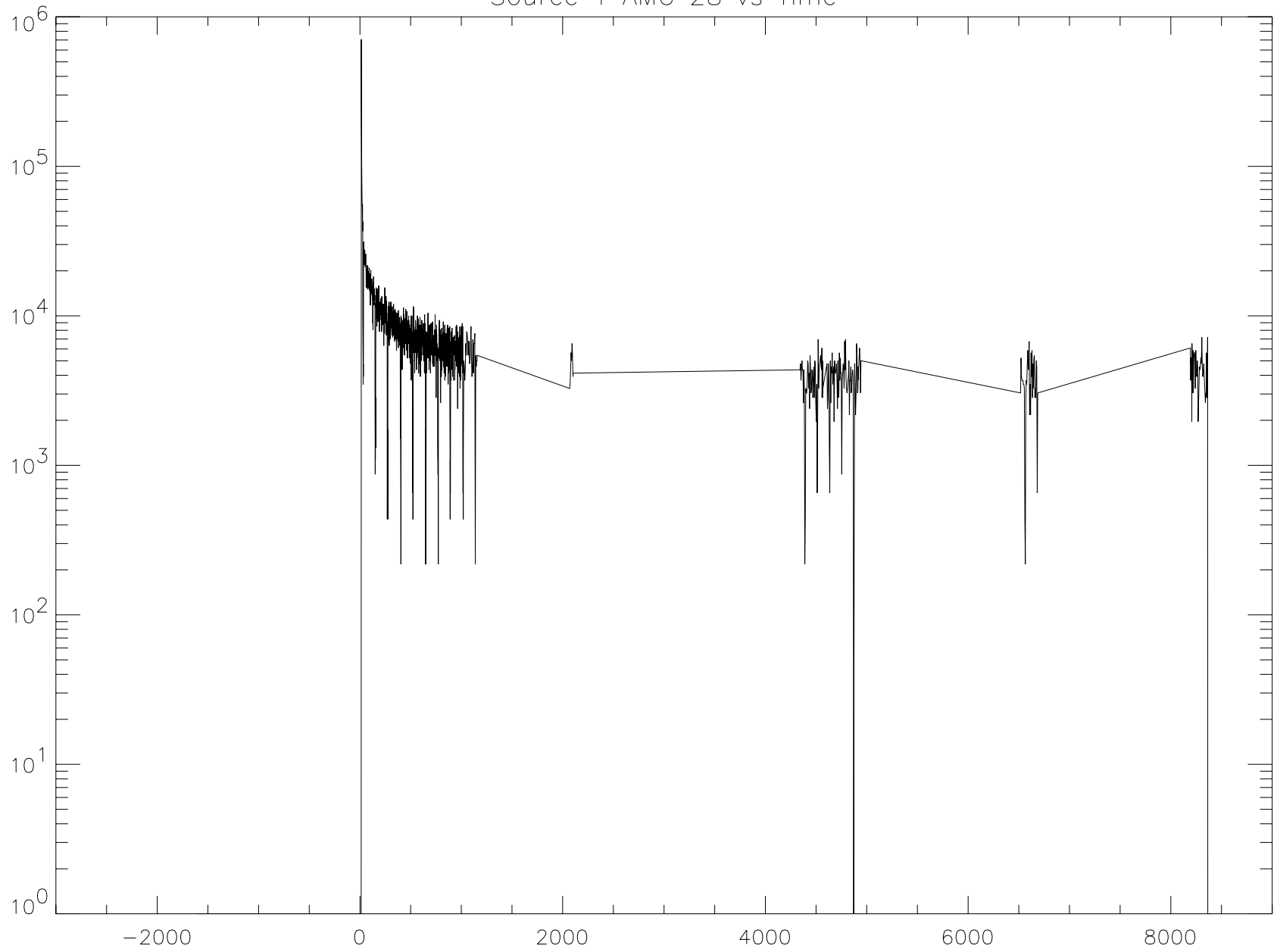
Averaged Counts/sec vs Serial Number, IS4

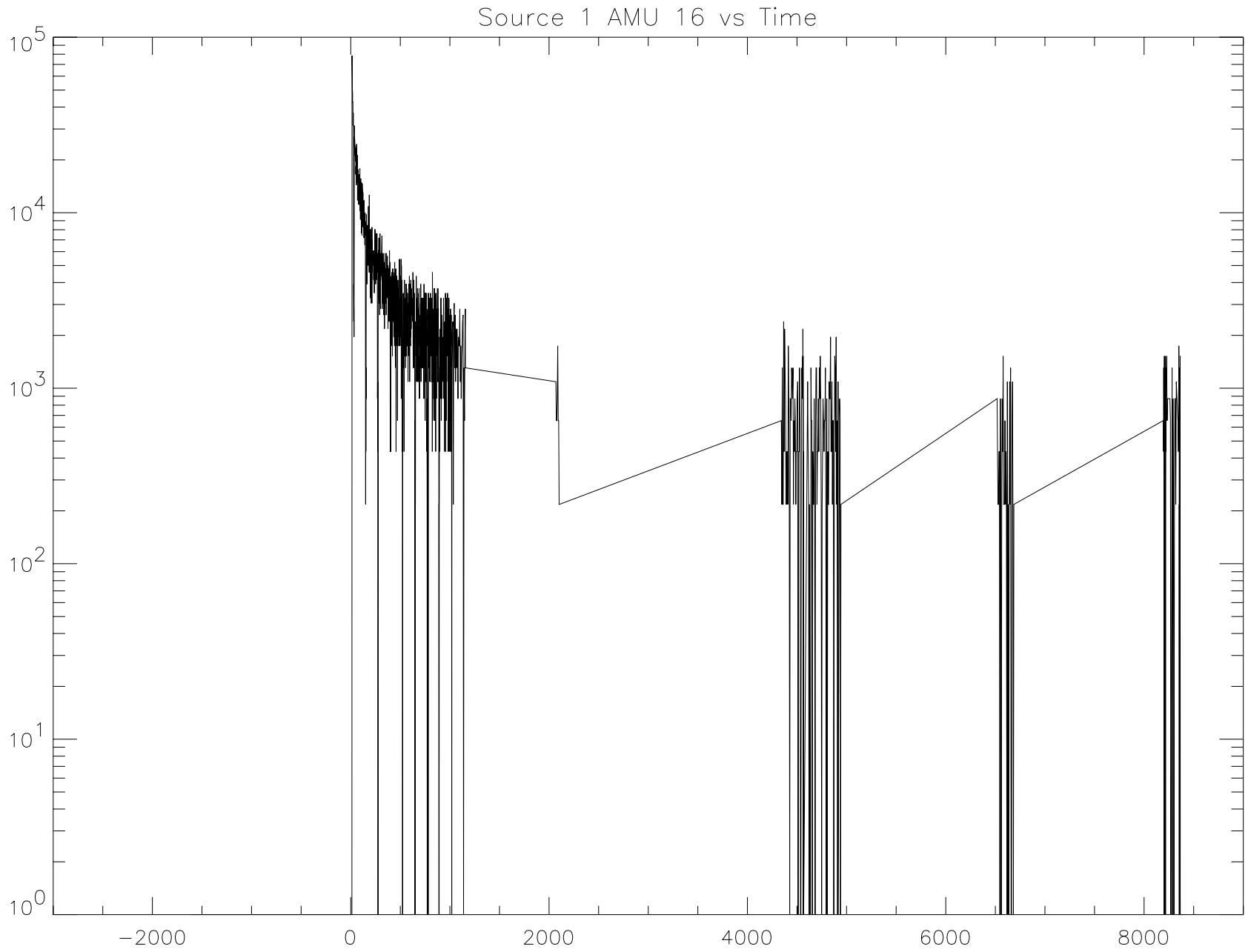


Averaged Counts/sec vs Serial Number, IS5

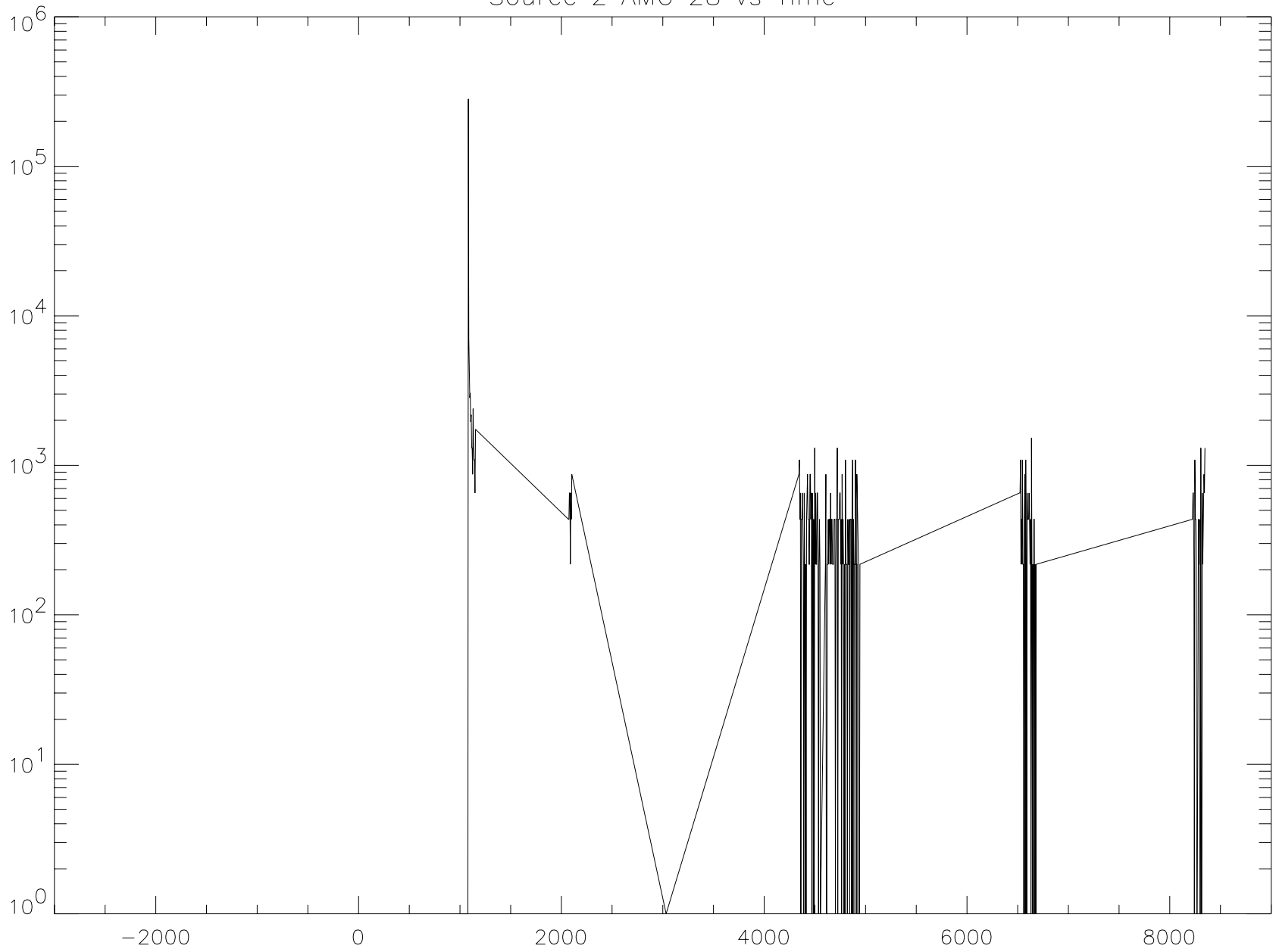


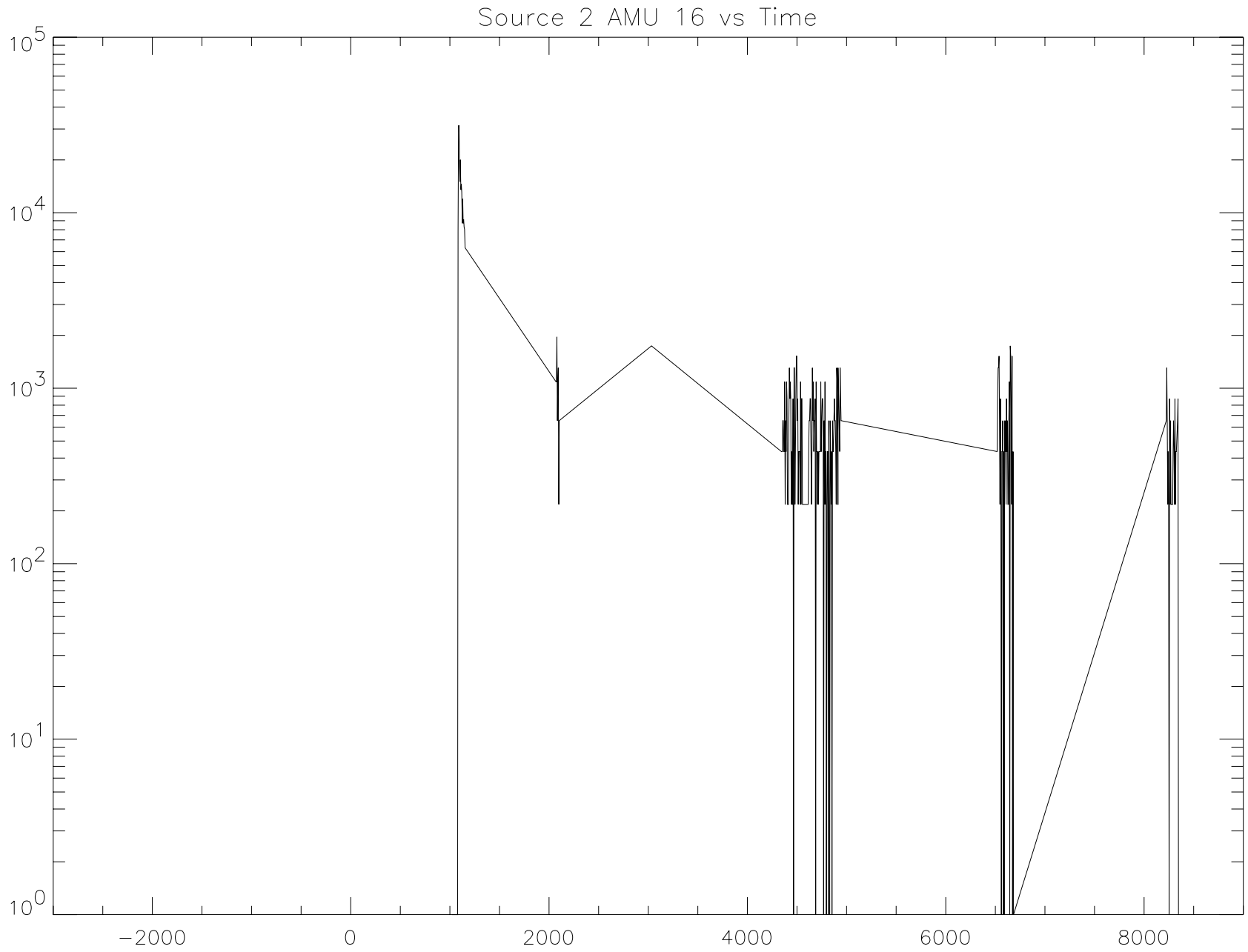
Source 1 AMU 28 vs Time

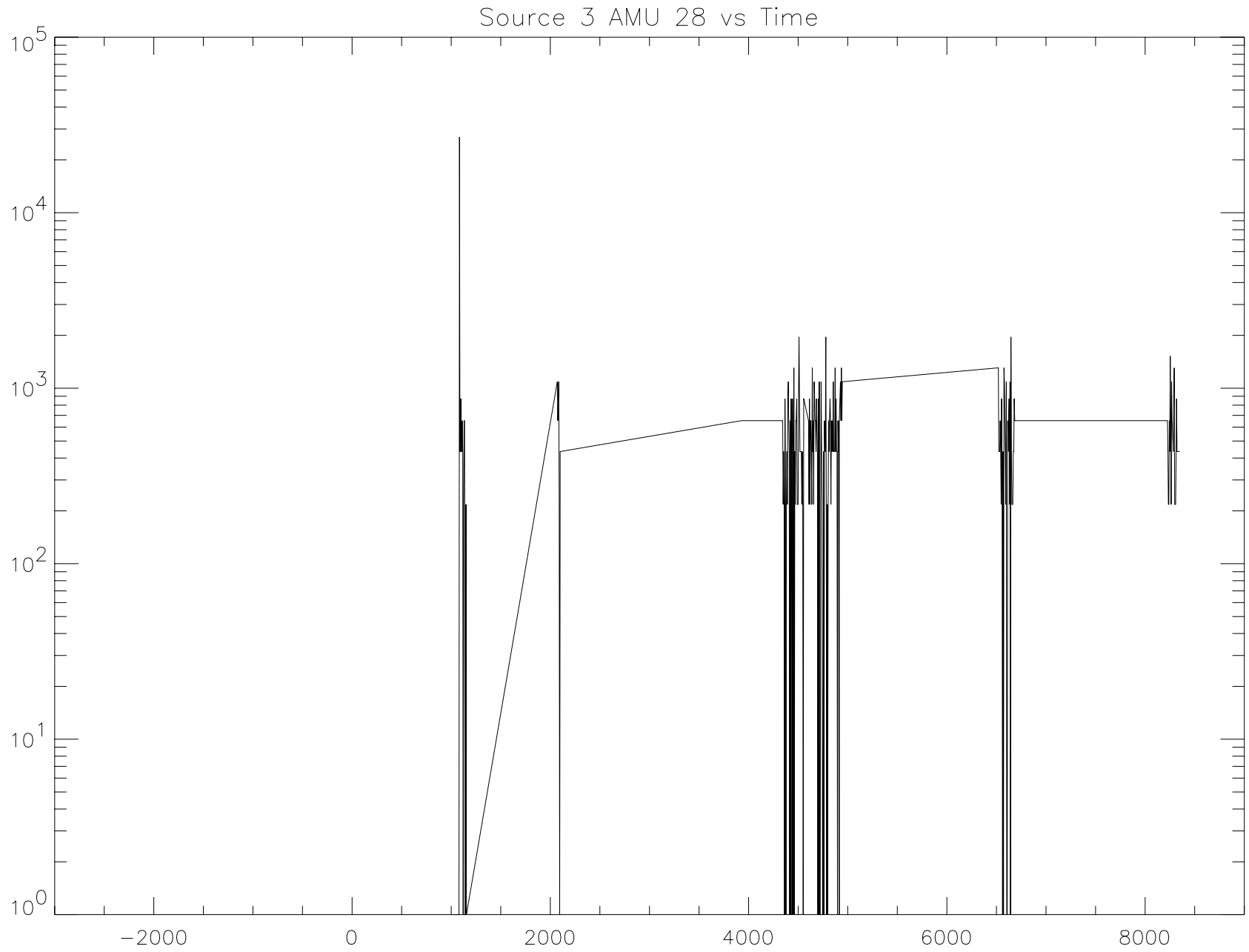




Source 2 AMU 28 vs Time

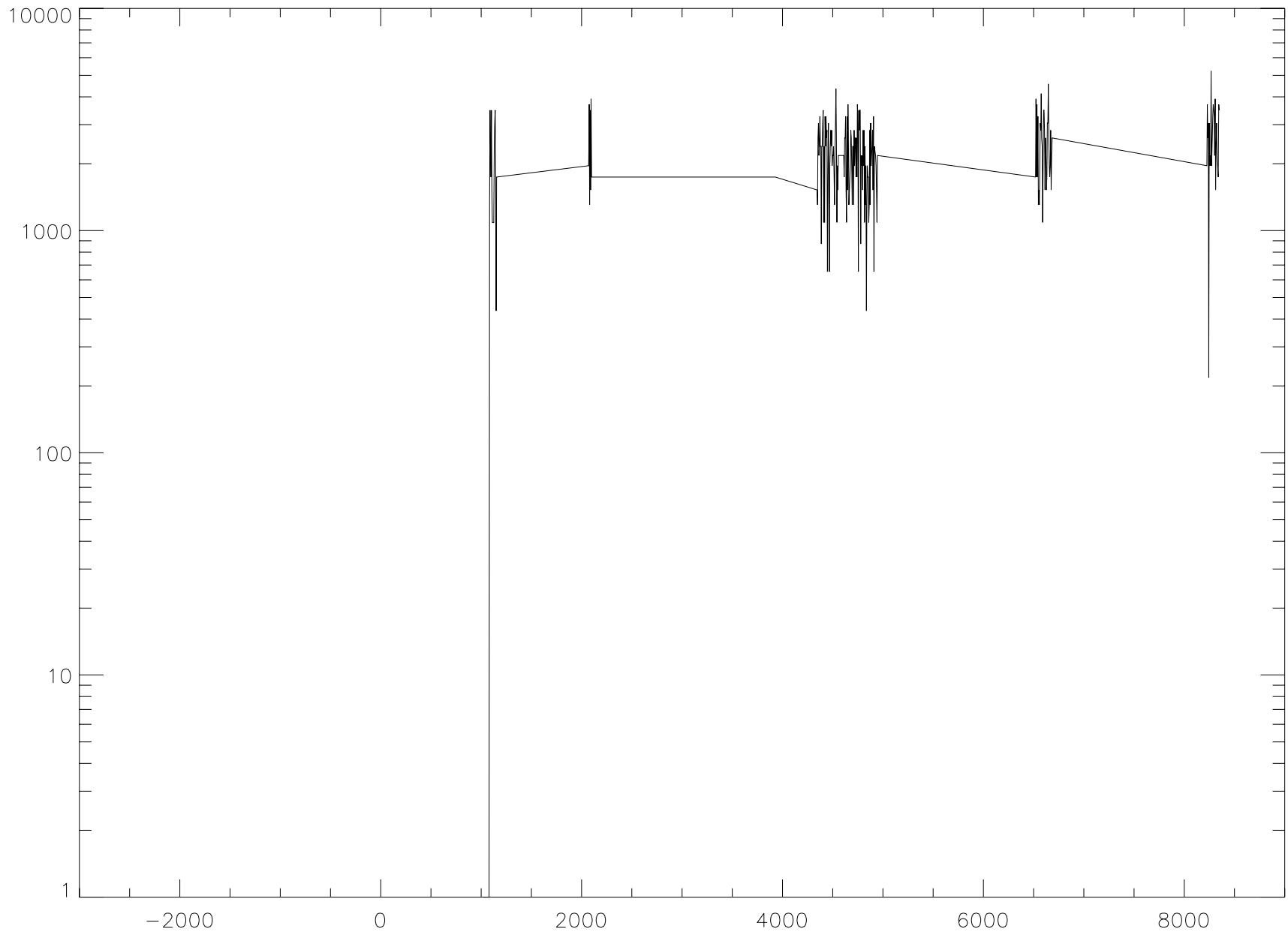




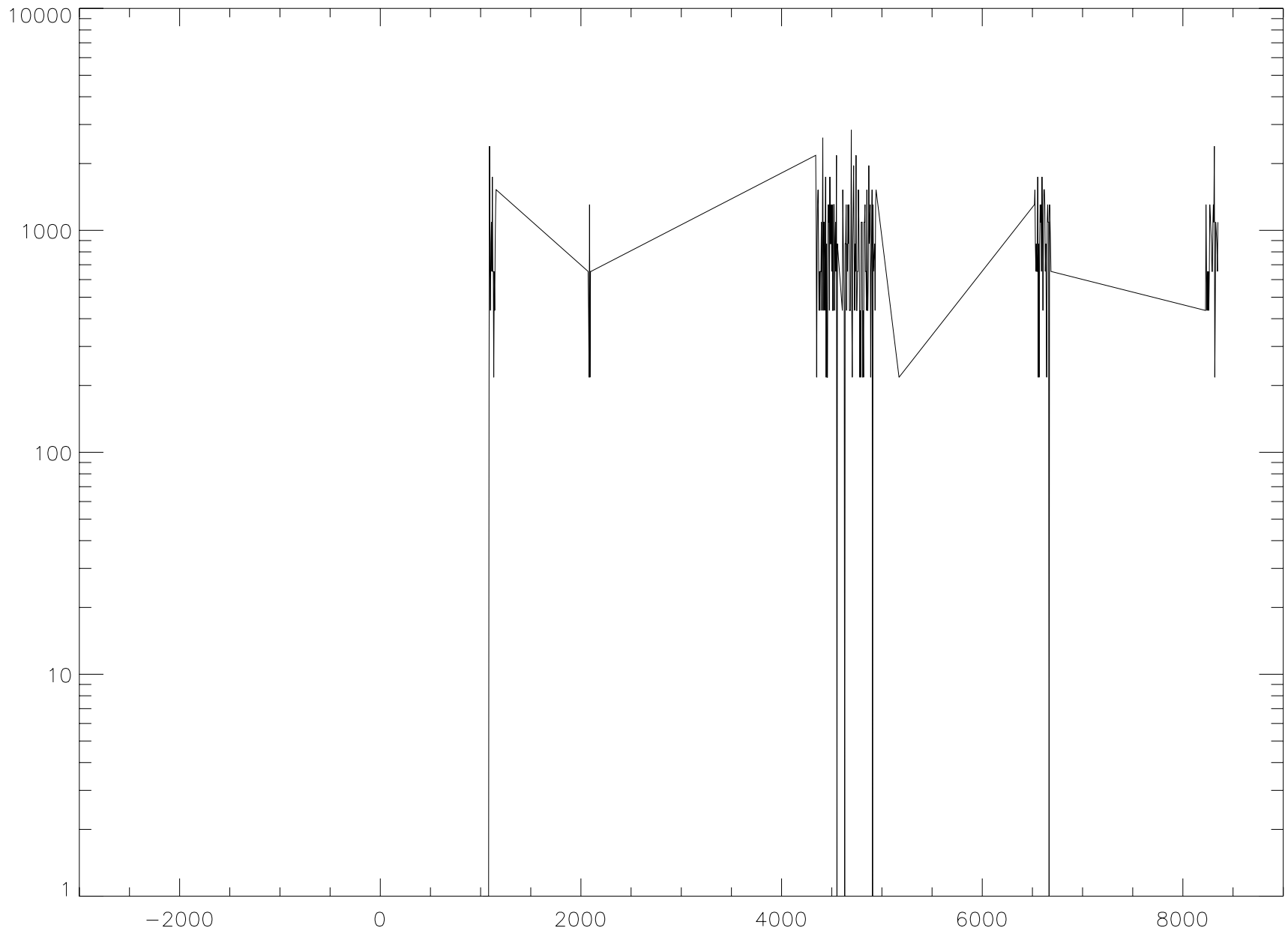


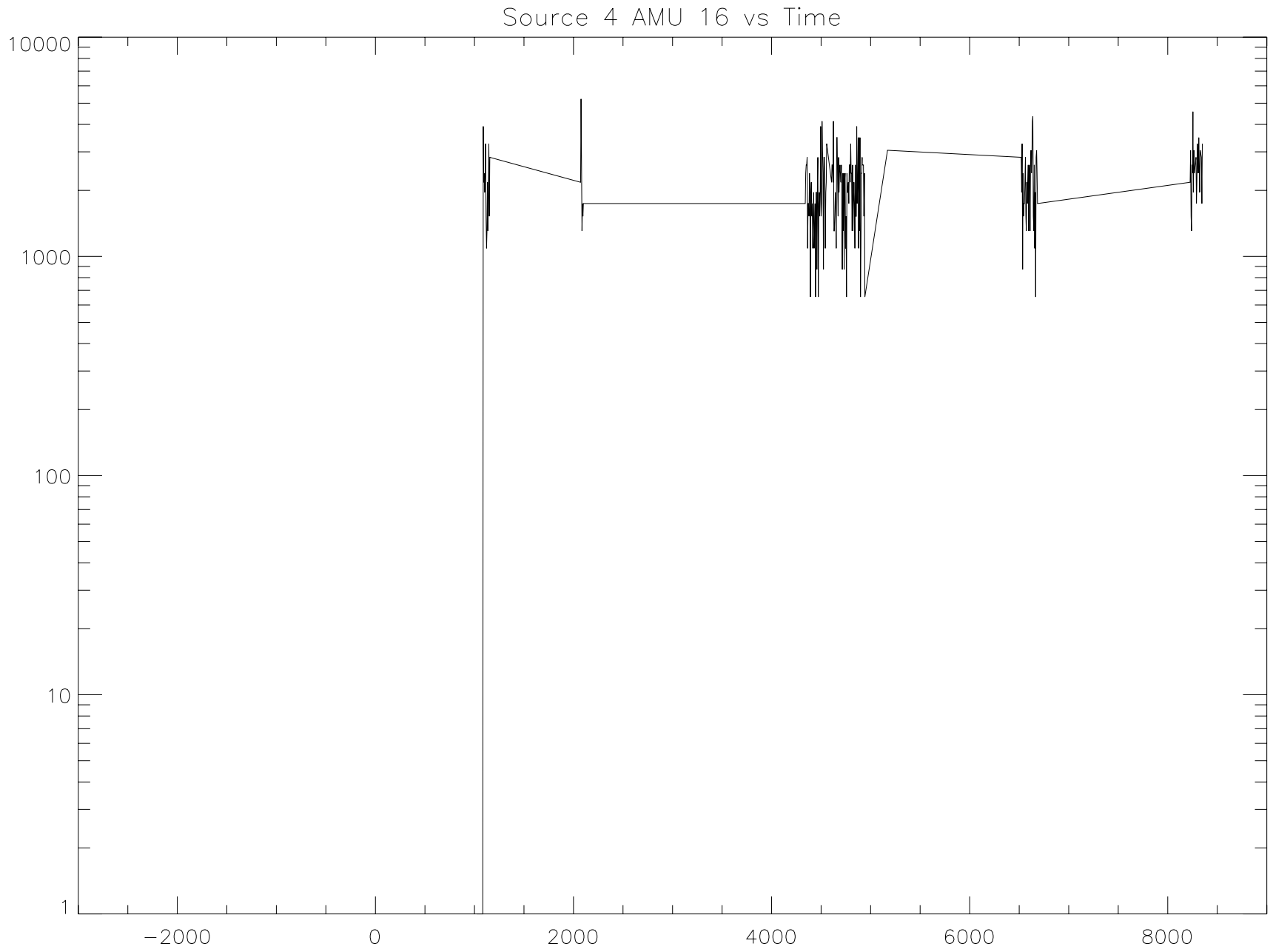


Source 3 AMU 16 vs Time

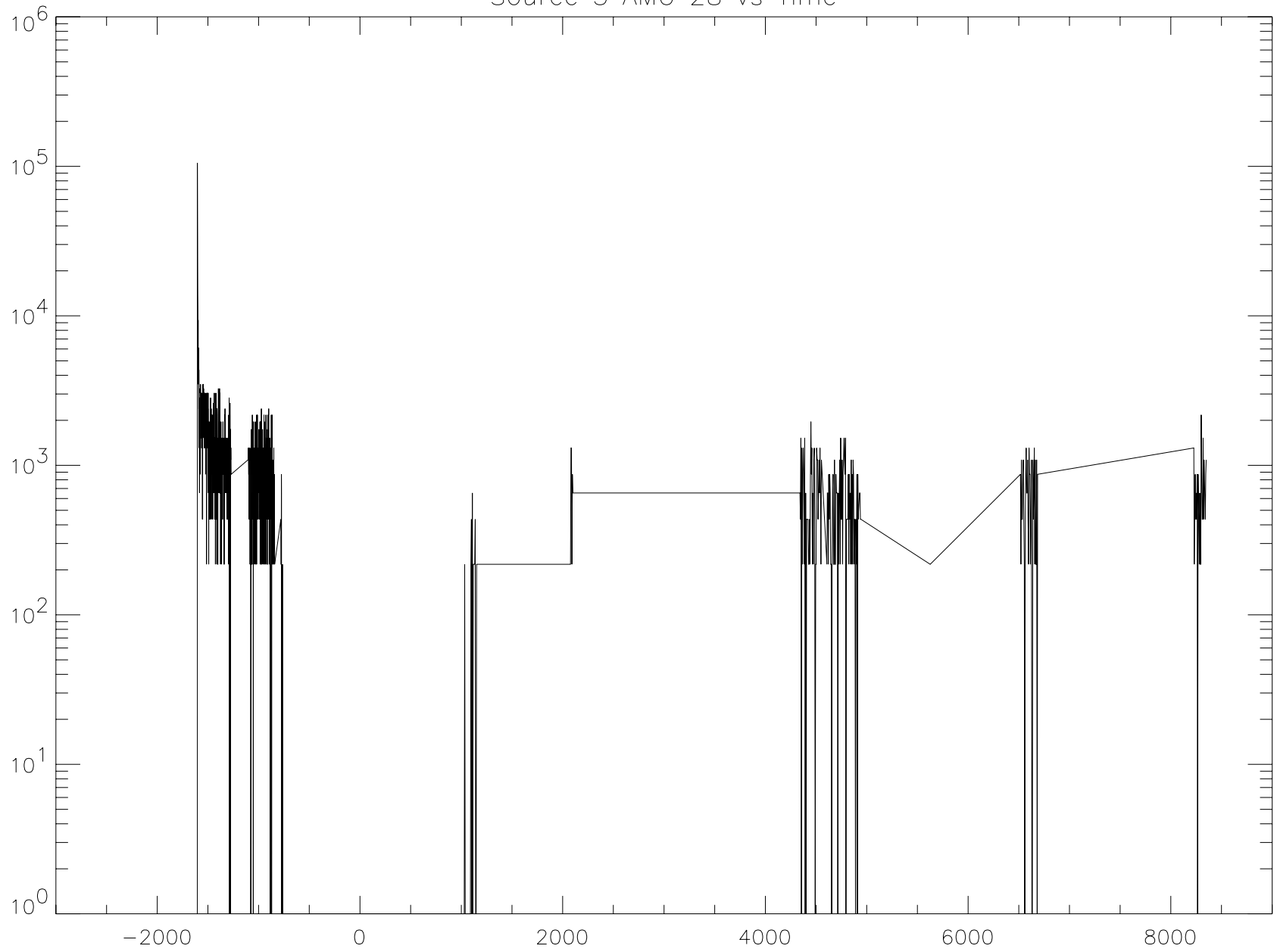


Source 4 AMU 28 vs Time

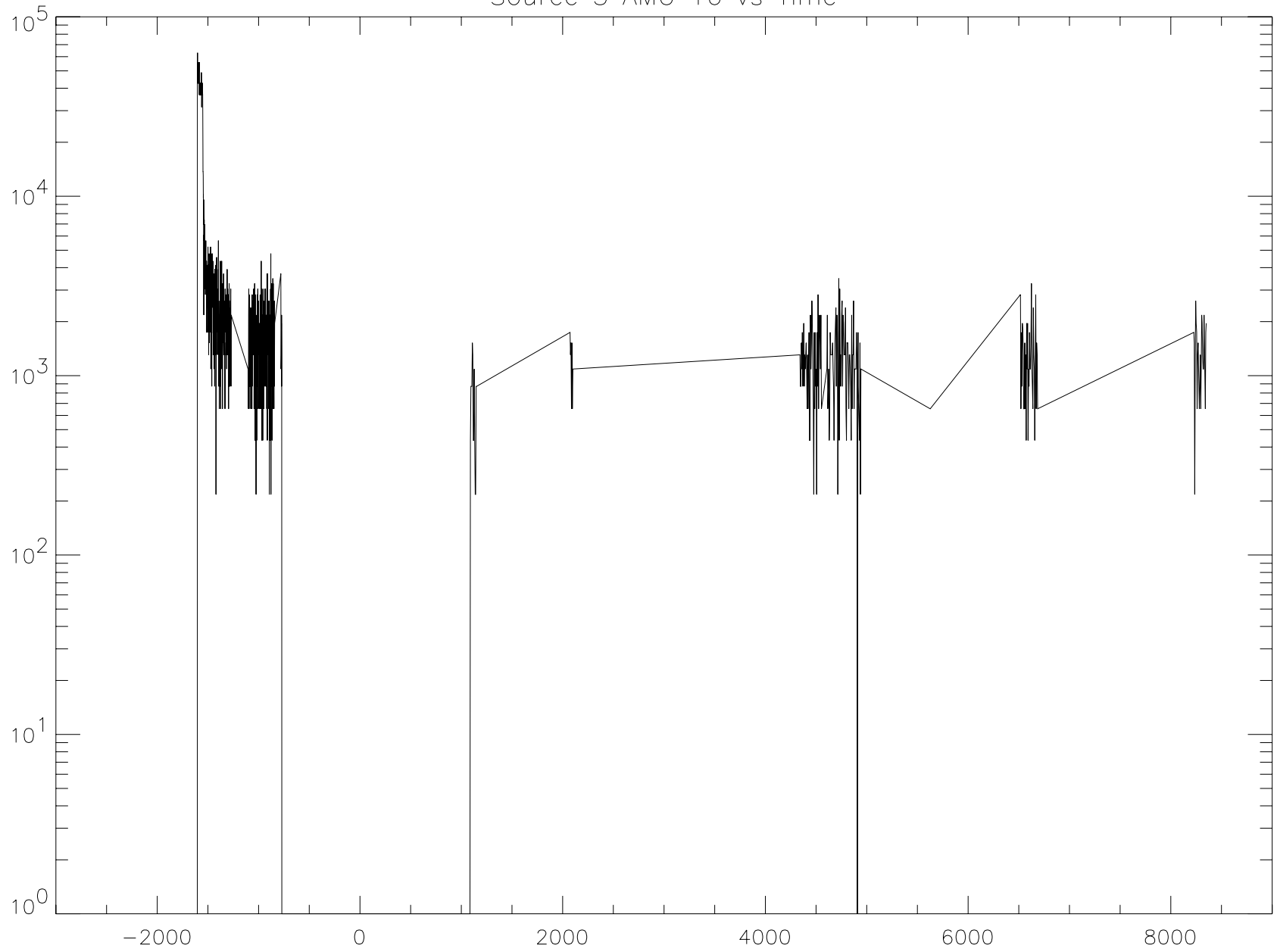




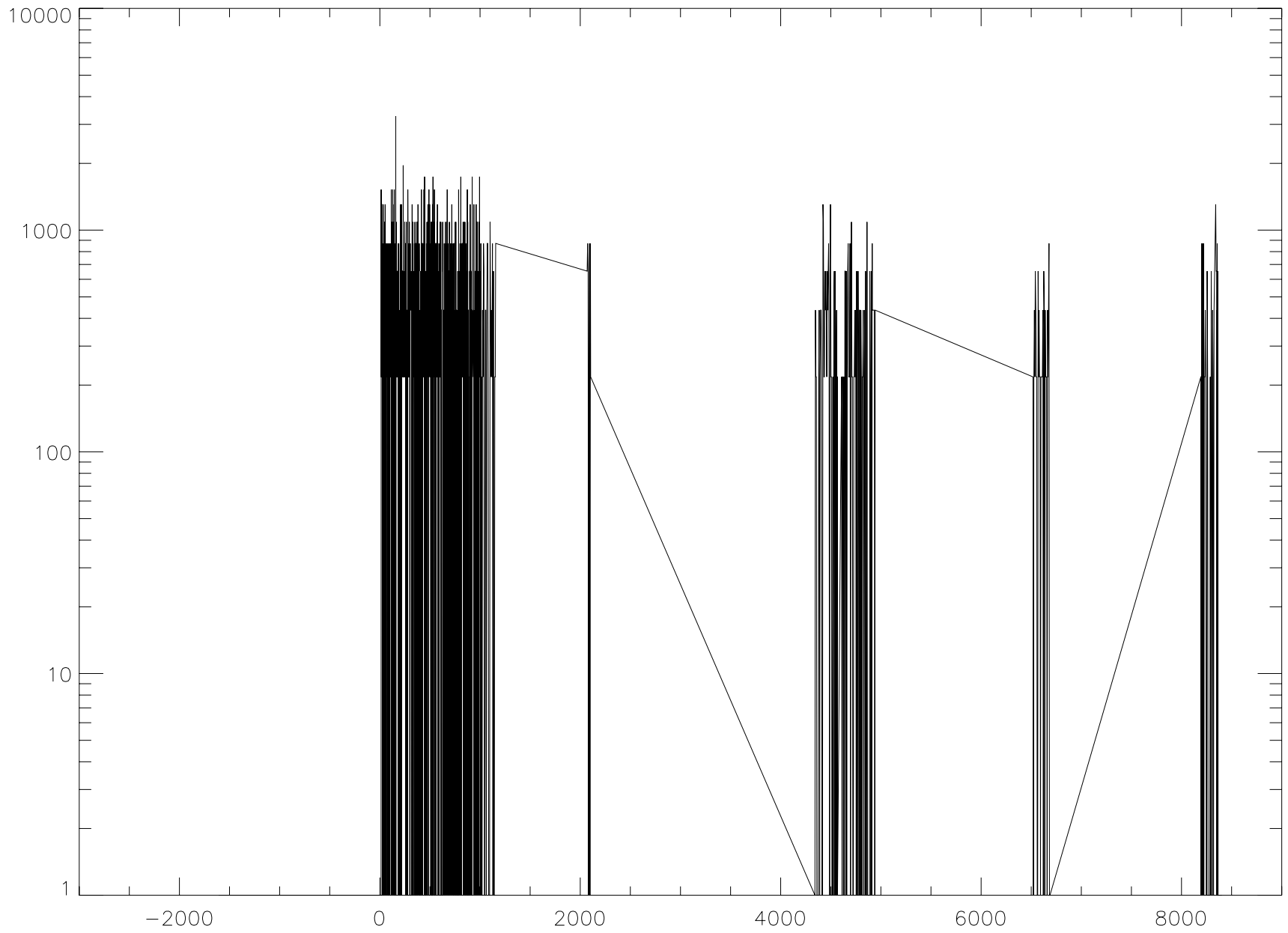
Source 5 AMU 28 vs Time



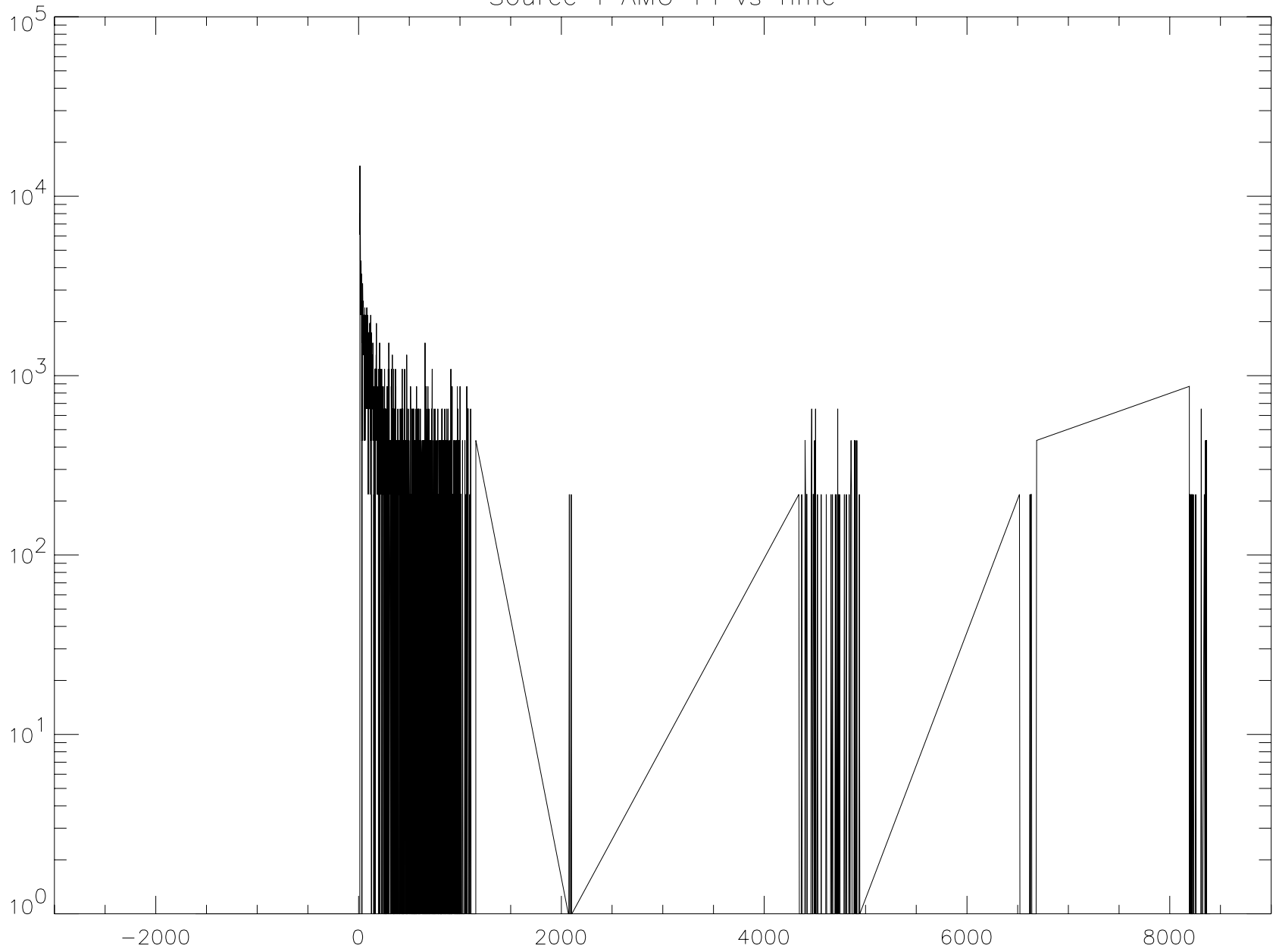
Source 5 AMU 16 vs Time



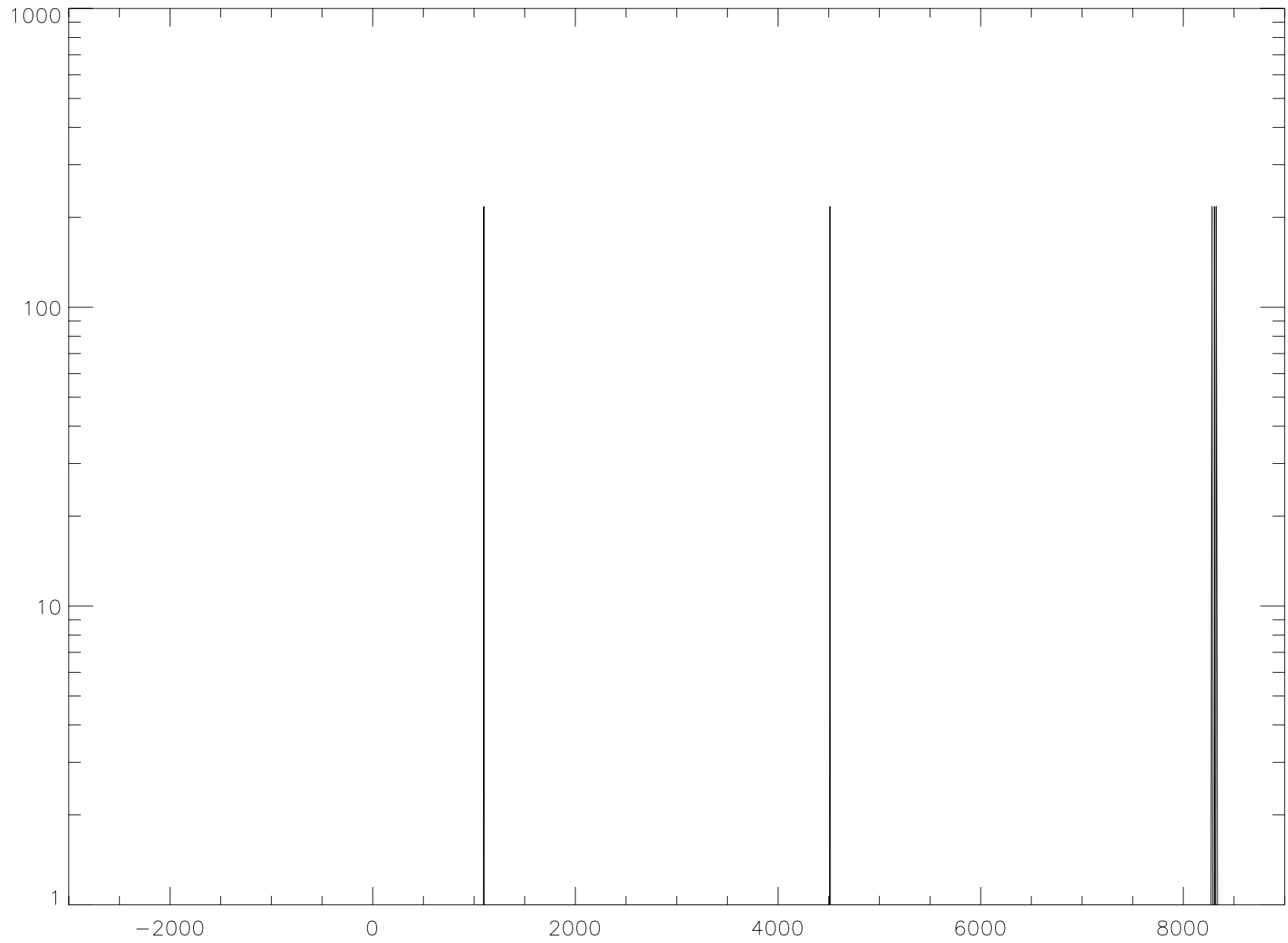
Source 1 AMU 40 vs Time



Source 1 AMU 14 vs Time

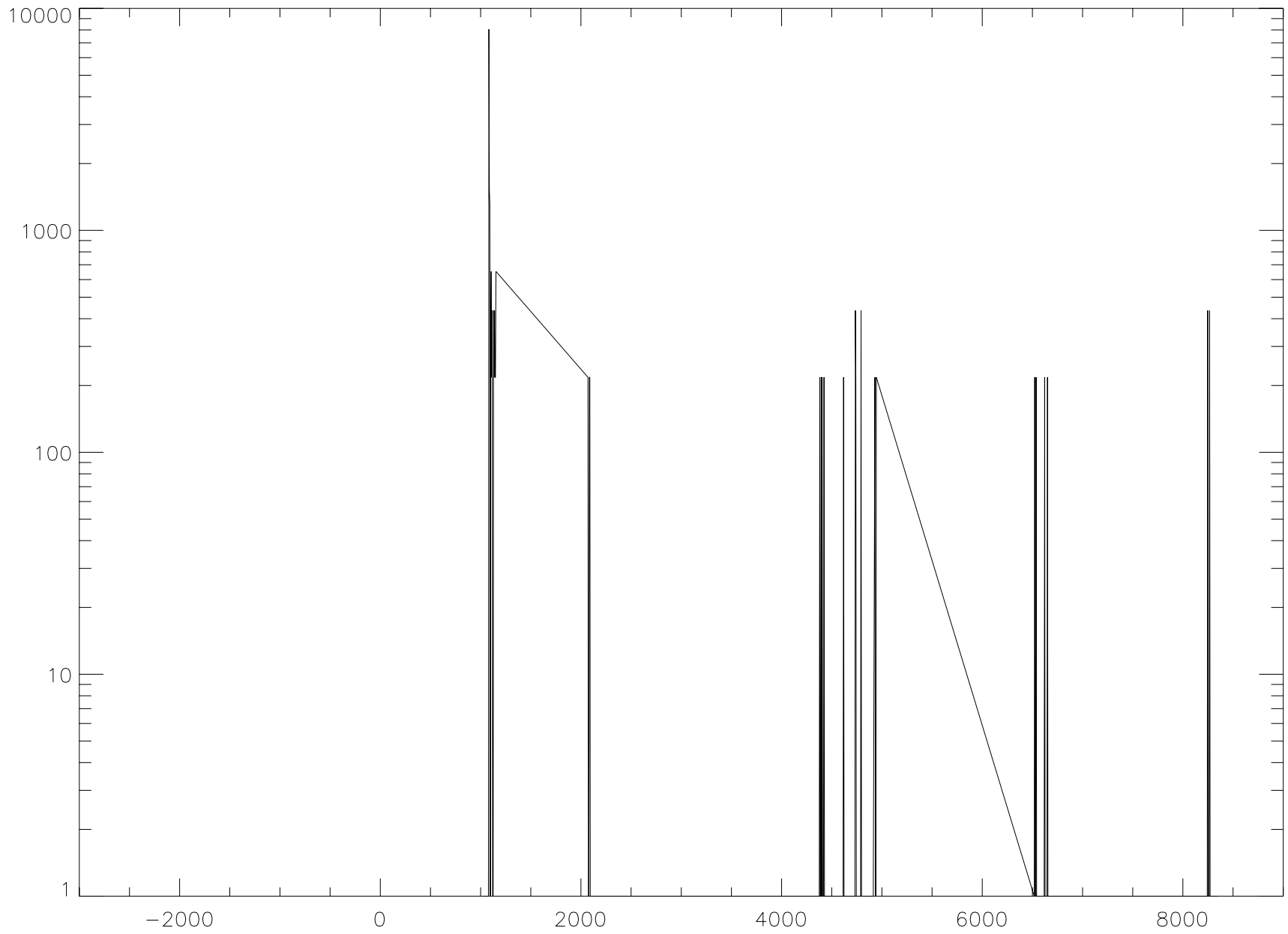


Source 2 AMU 40 vs Time

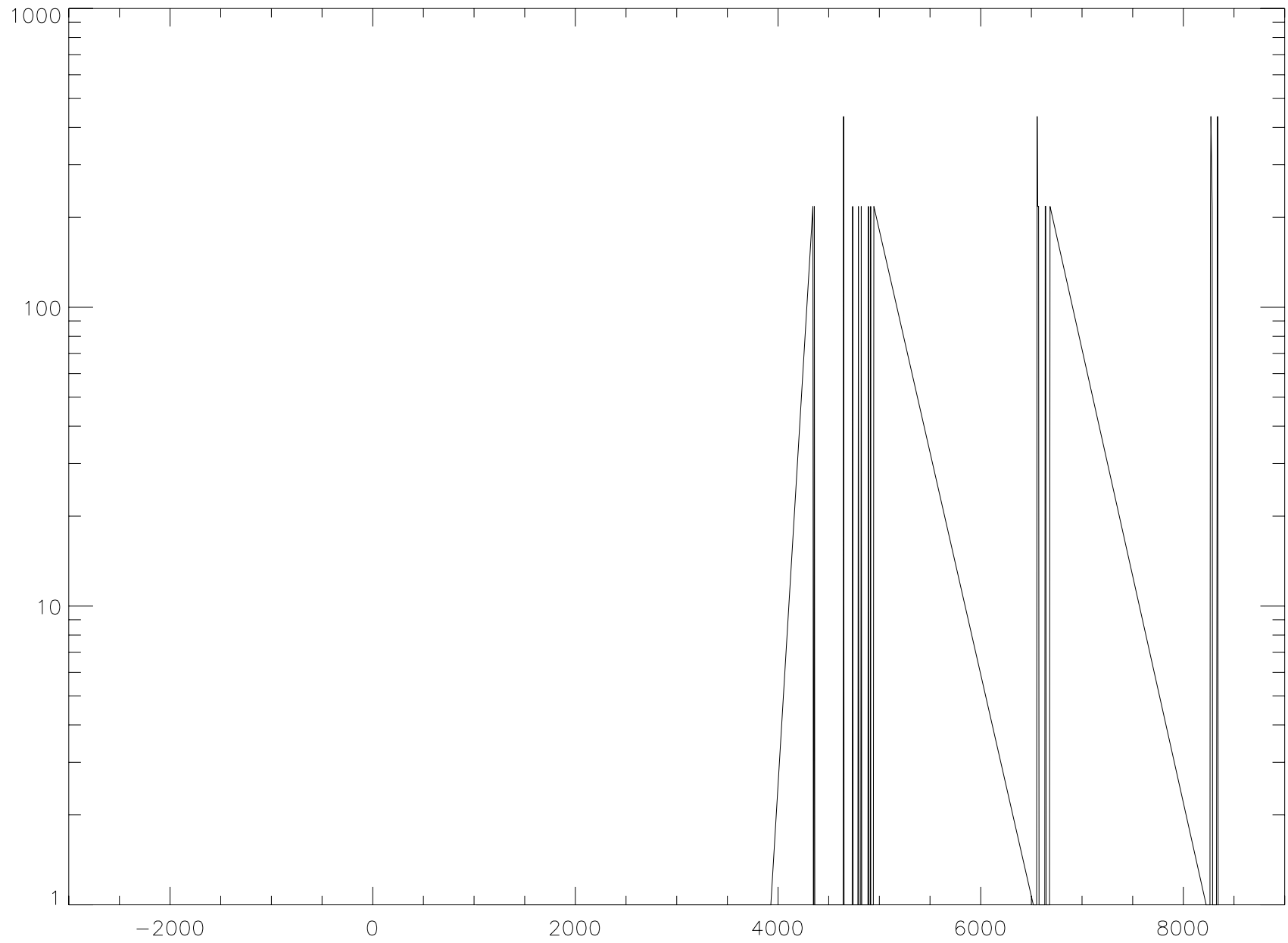




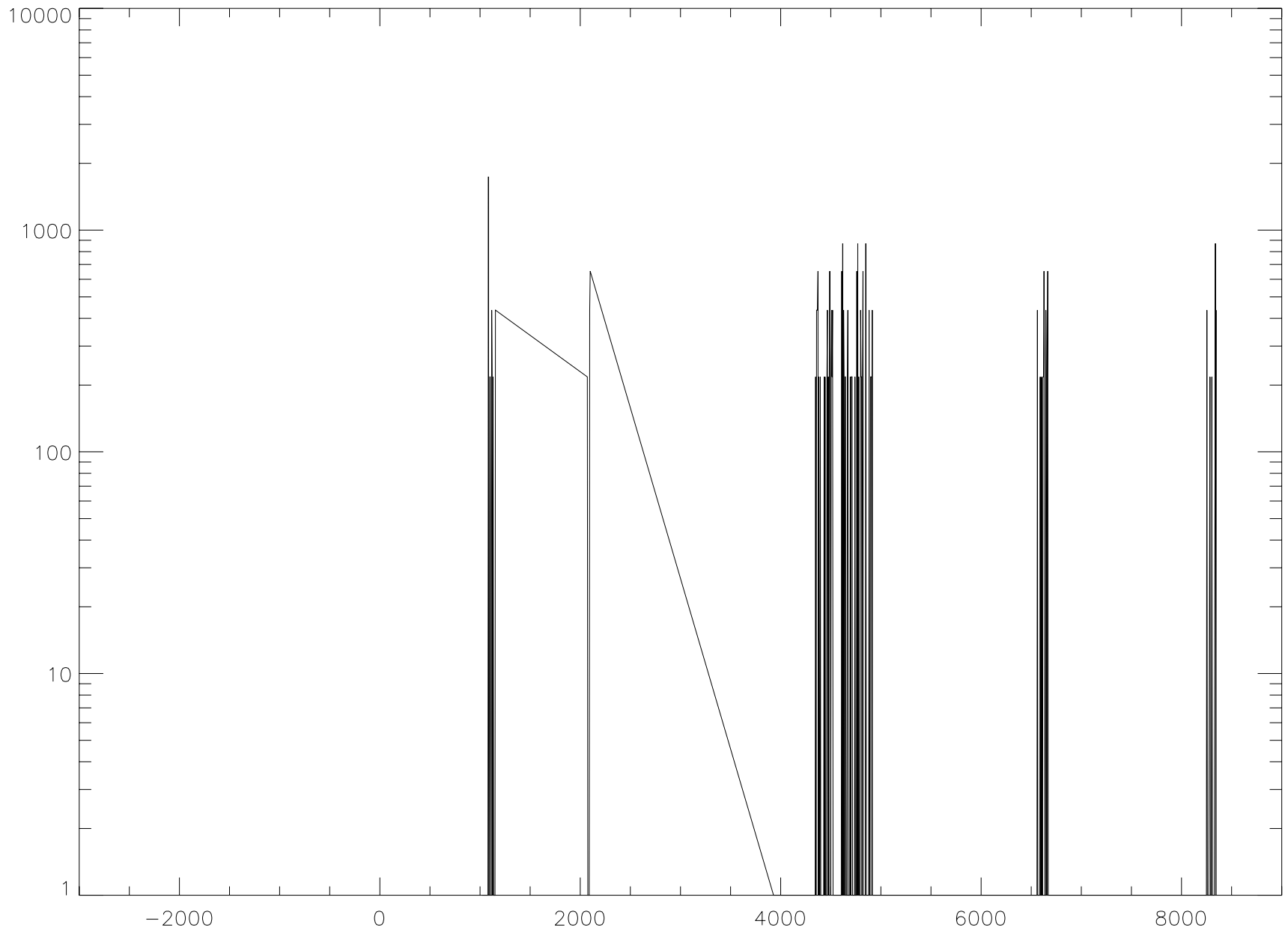
Source 2 AMU 14 vs Time



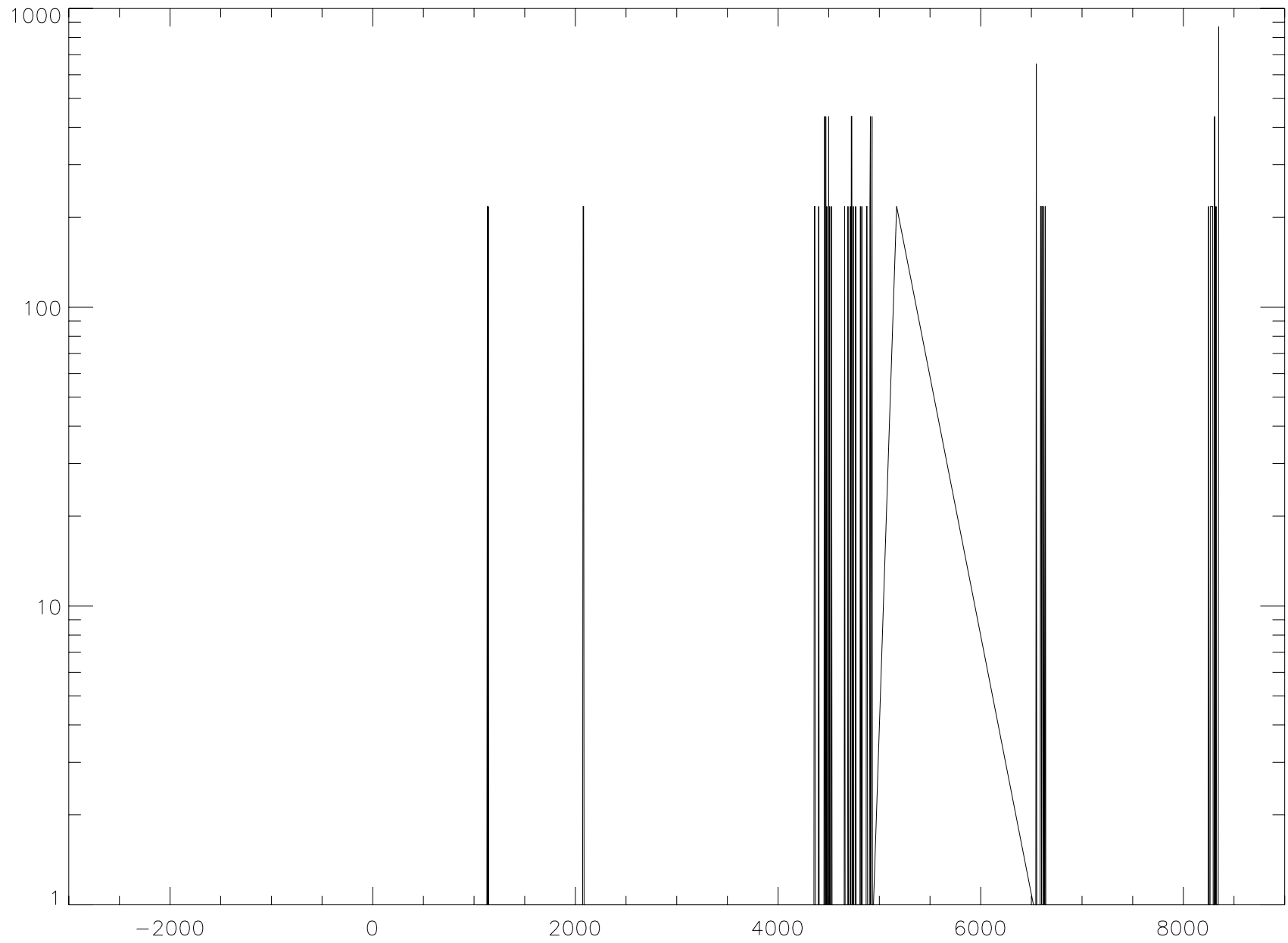
Source 3 AMU 40 vs Time



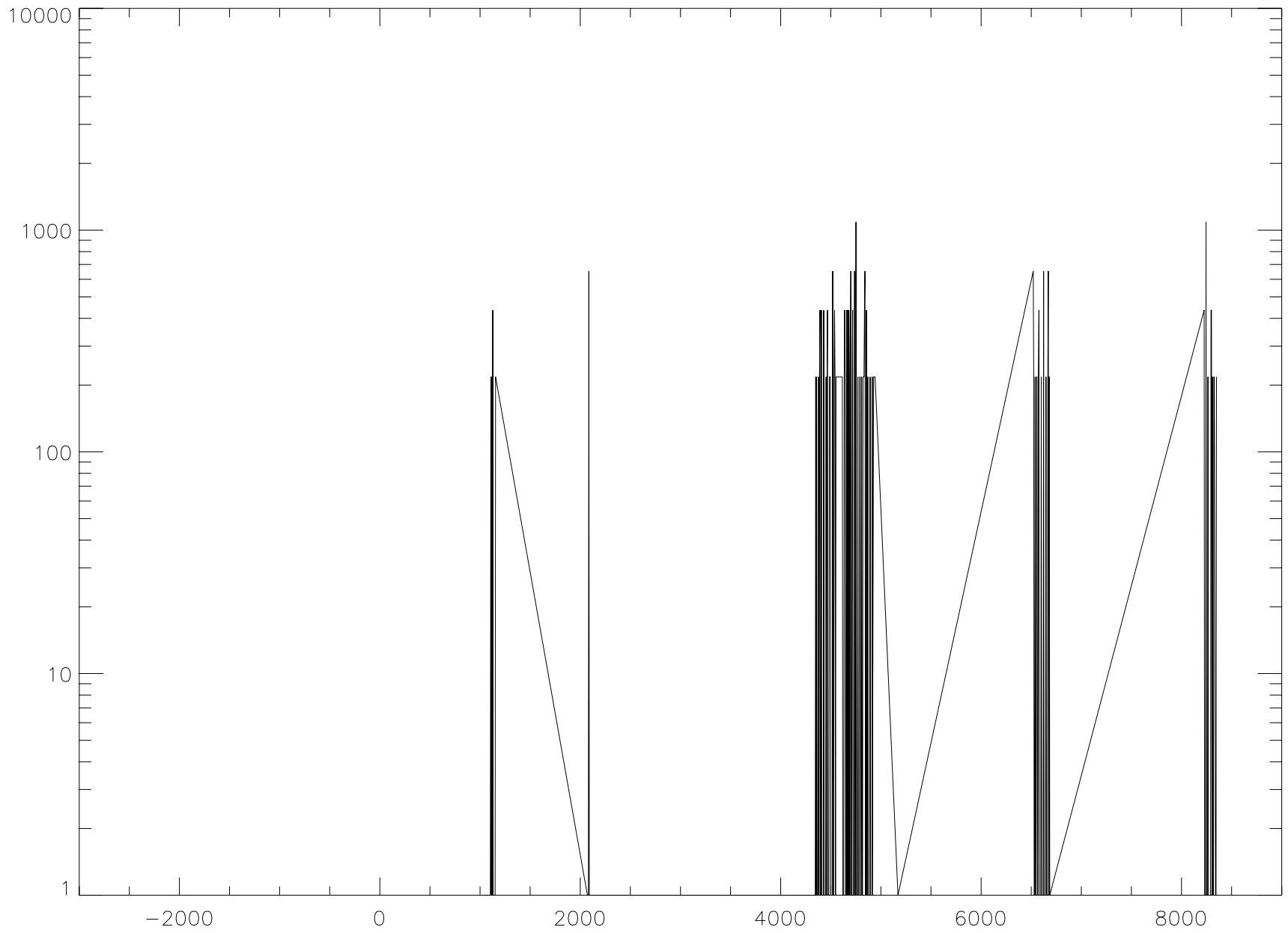
Source 3 AMU 14 vs Time

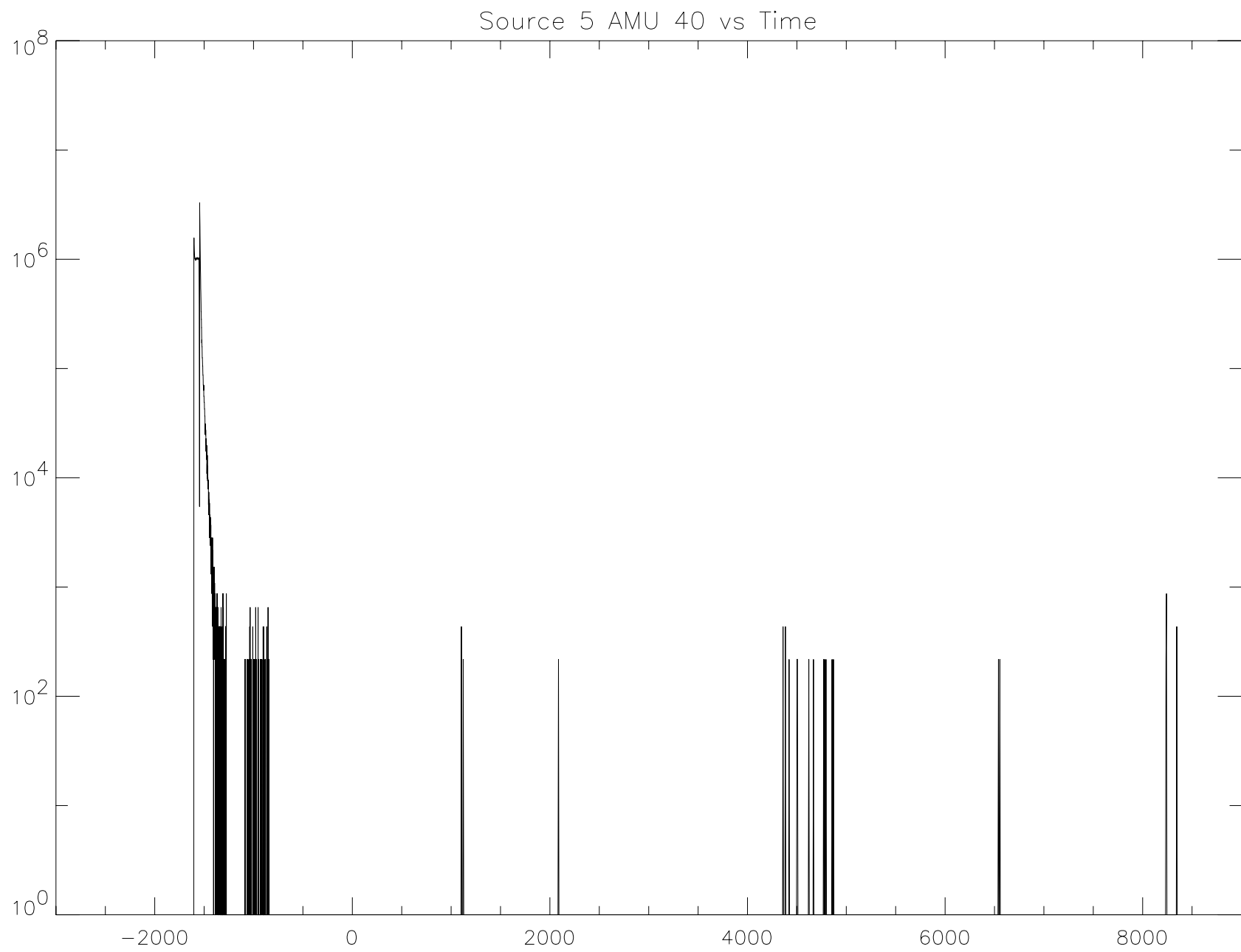


Source 4 AMU 40 vs Time



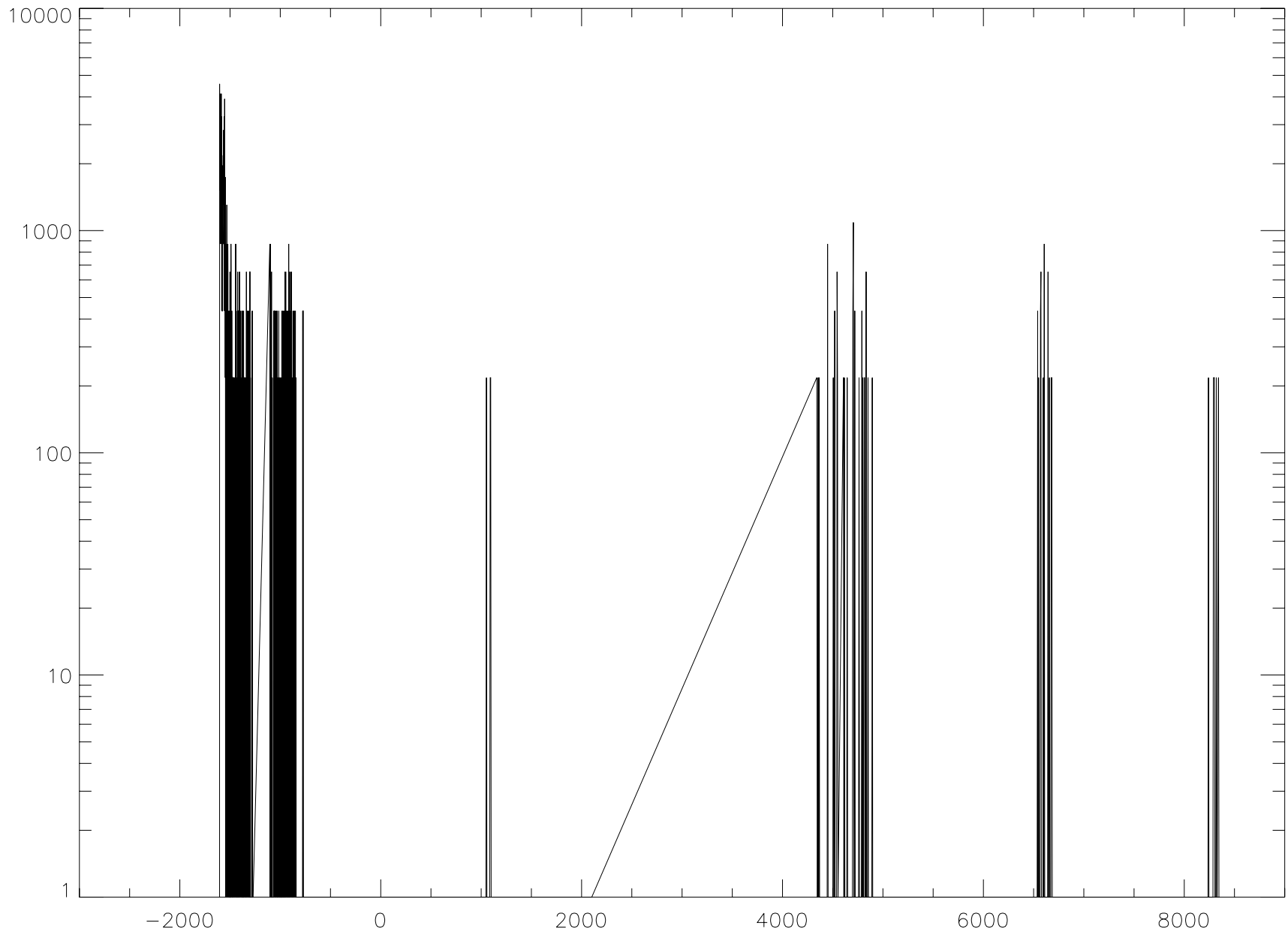
Source 4 AMU 14 vs Time



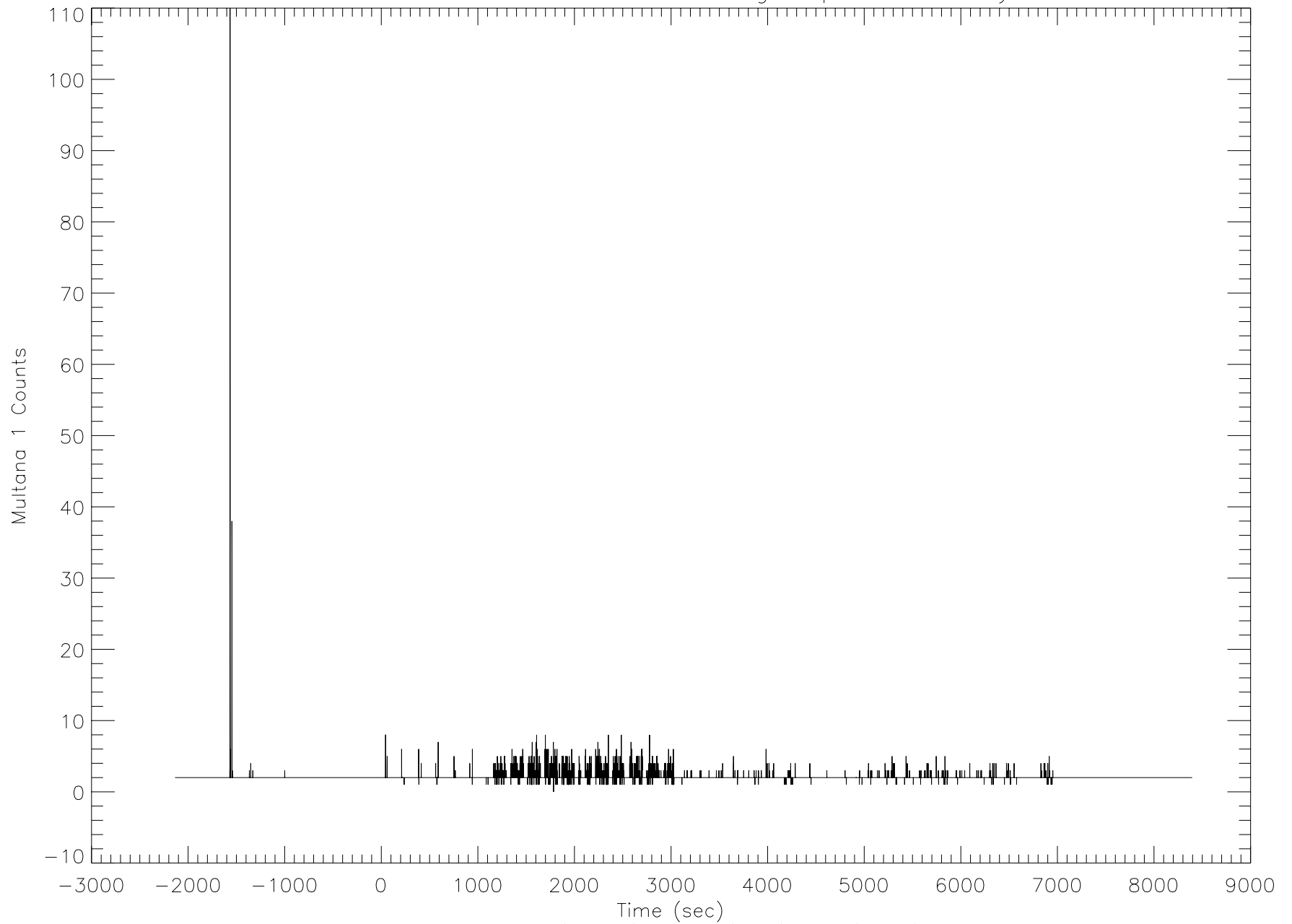


Printed: Thu Jul 15 13:21:43 2004 Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_LLPlus\_82\_Mo-CO2

Source 5 AMU 14 vs Time



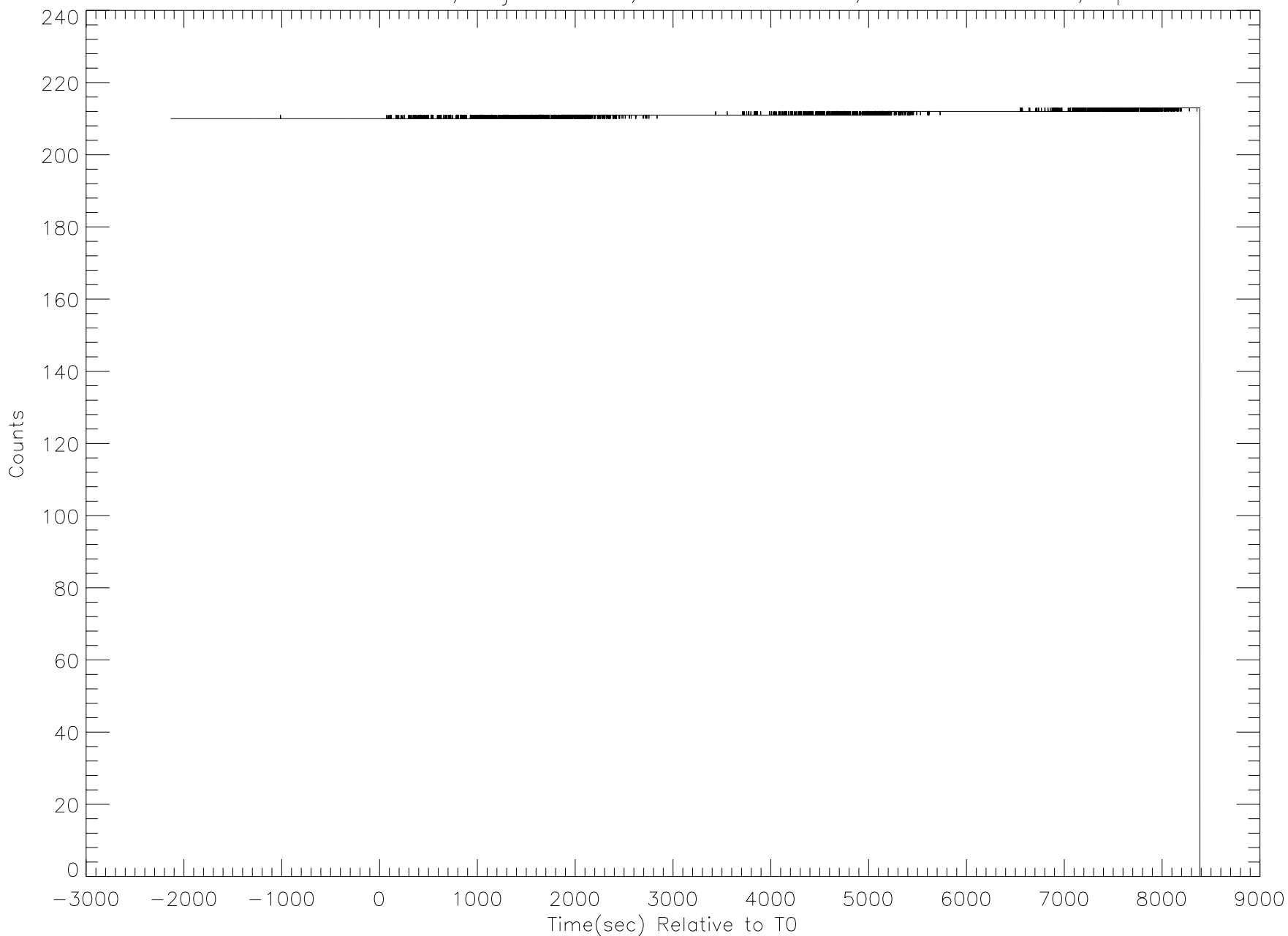
# GCMS Multana\_1 vs Time from High-Speed Telemetry



Printed: Thu Jul 15 13:25:41 2004 Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_LLPlus\_82\_Mo-CO2

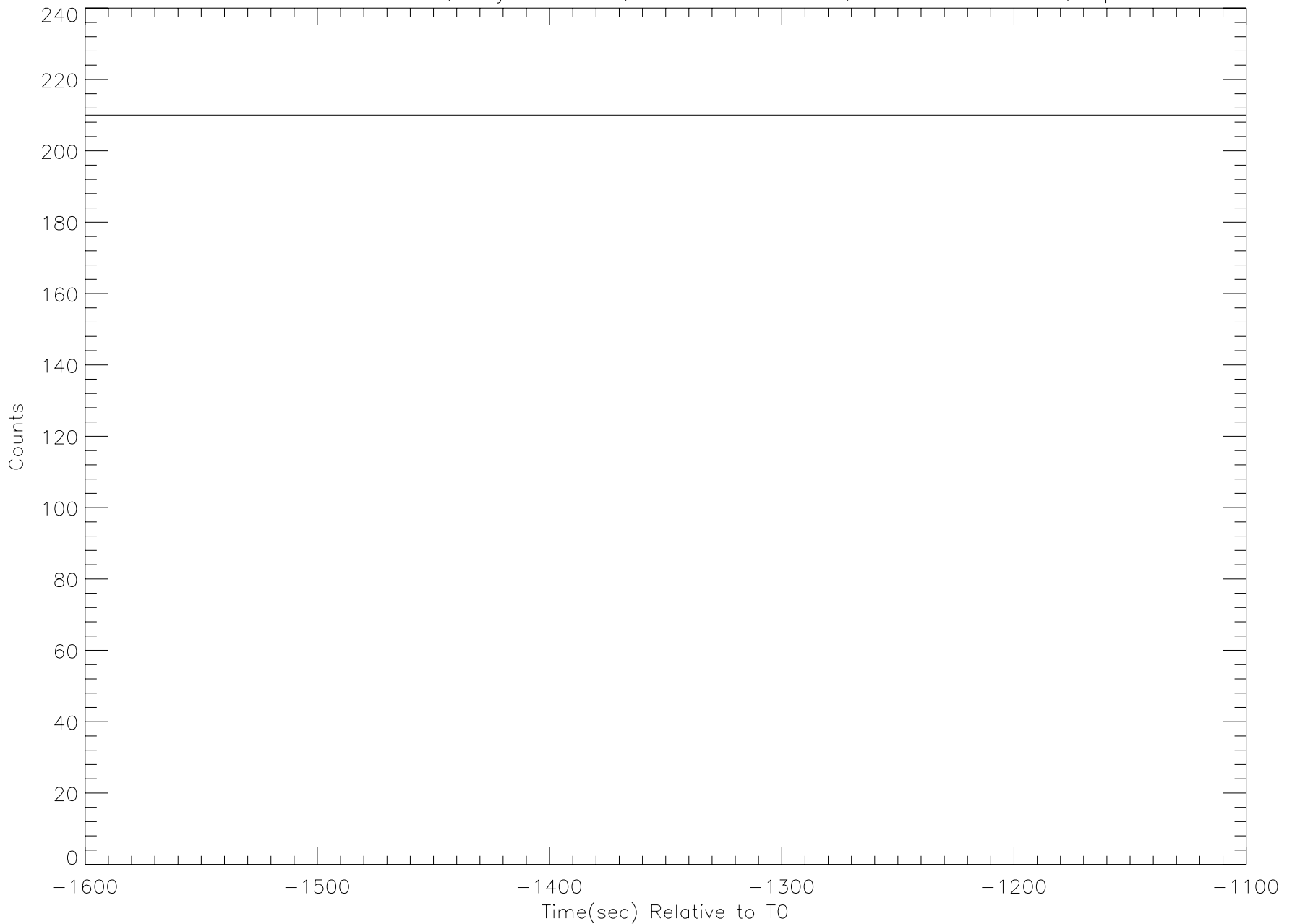


GCMS Pos VL: Total= 0, Adjacent= 0, 2nd Smaller= 0, Threshold= 150, Ops= 0



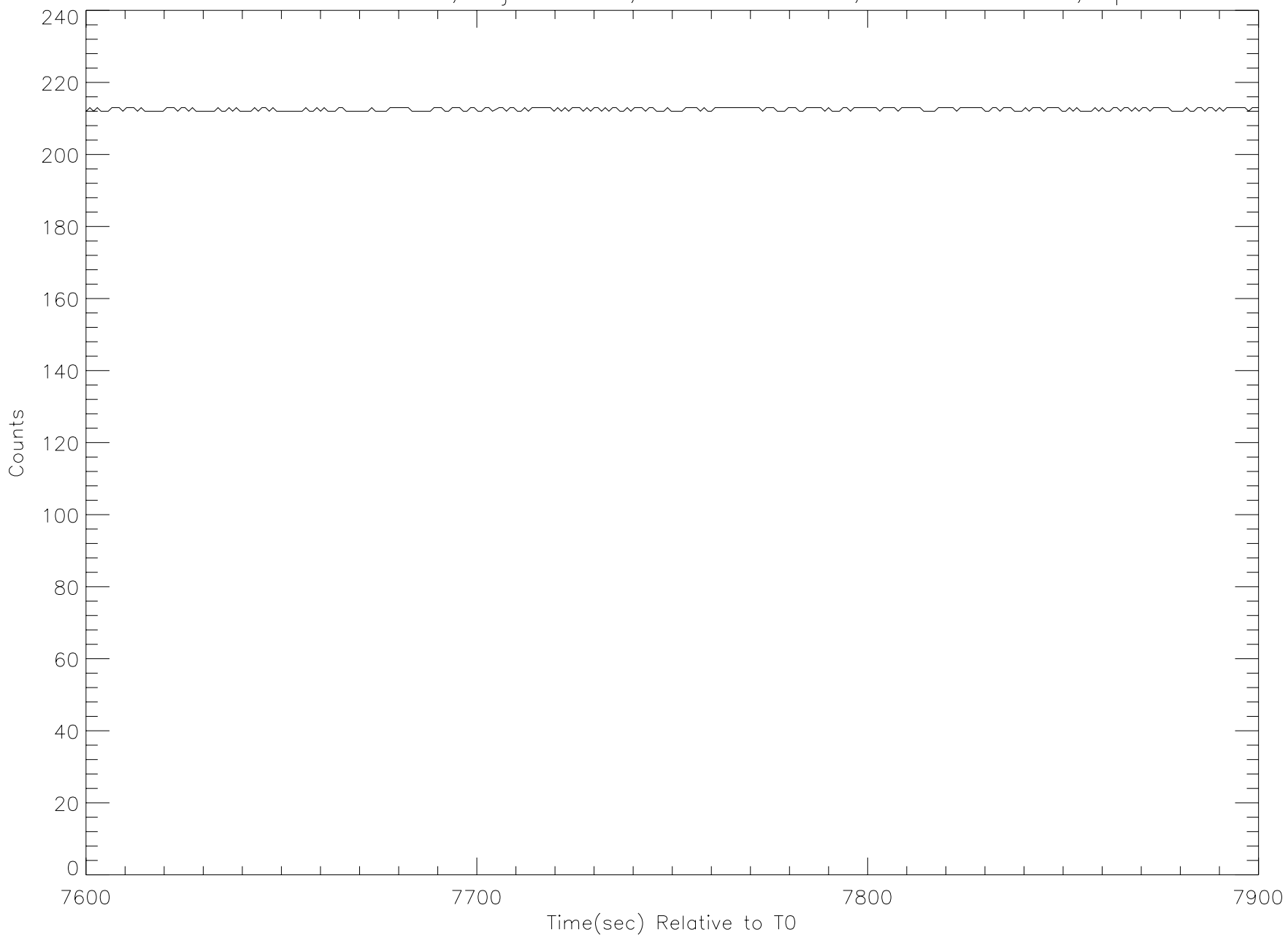
Printed: Thu Jul 15 13:26:17 2004 Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_LL\_Plus\_82\_Mo-CO2

GCMS Pos VL: Total= 0, Adjacent= 0, 2nd Smaller= 0, Threshold= 150, Ops= 0

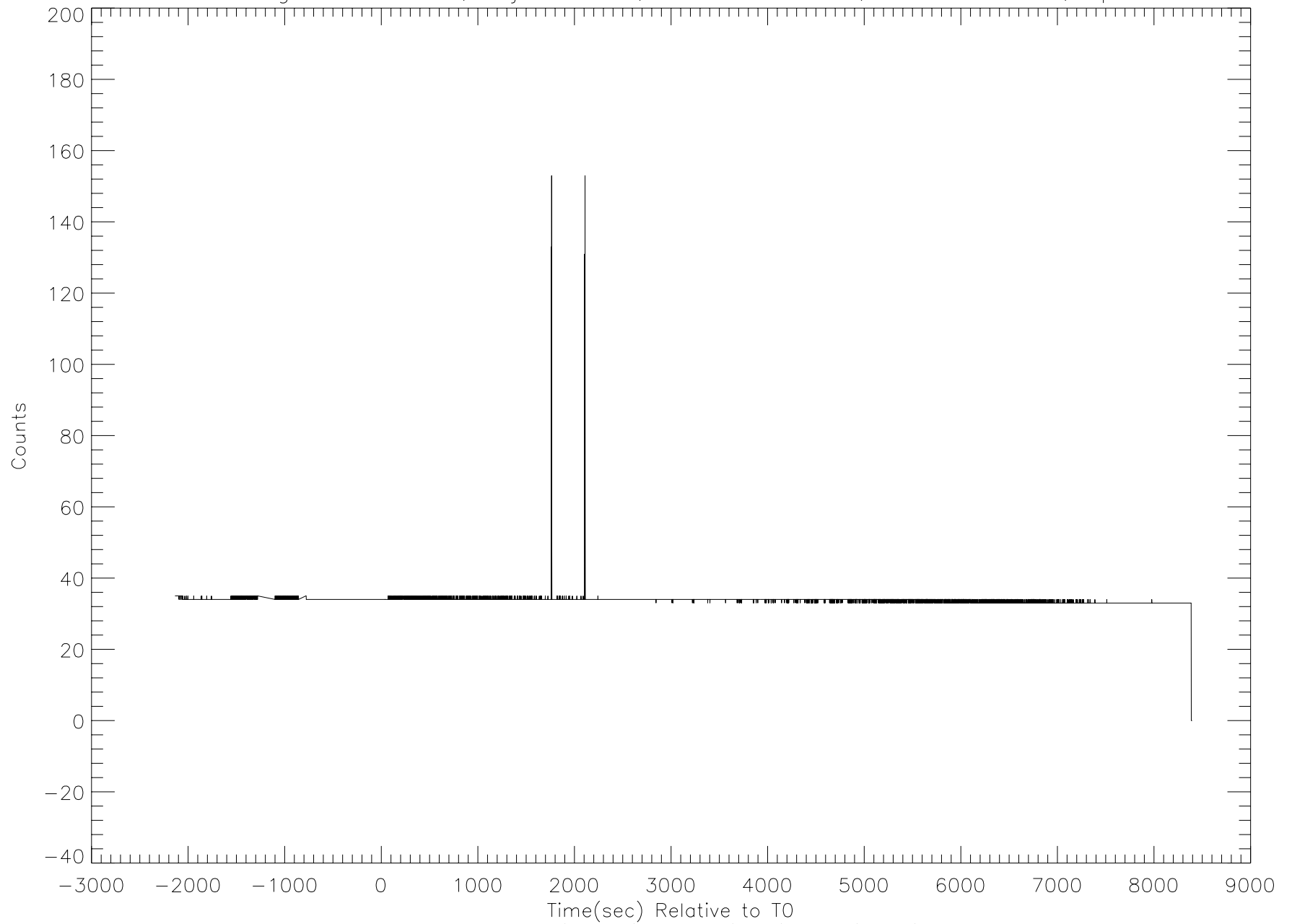


Printed: Thu Jul 15 13:26:29 2004 Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_LL\_Plus\_82\_Mo-CO2

GCMS Pos VL: Total= 0, Adjacent= 0, 2nd Smaller= 0, Threshold= 150, Ops= 0

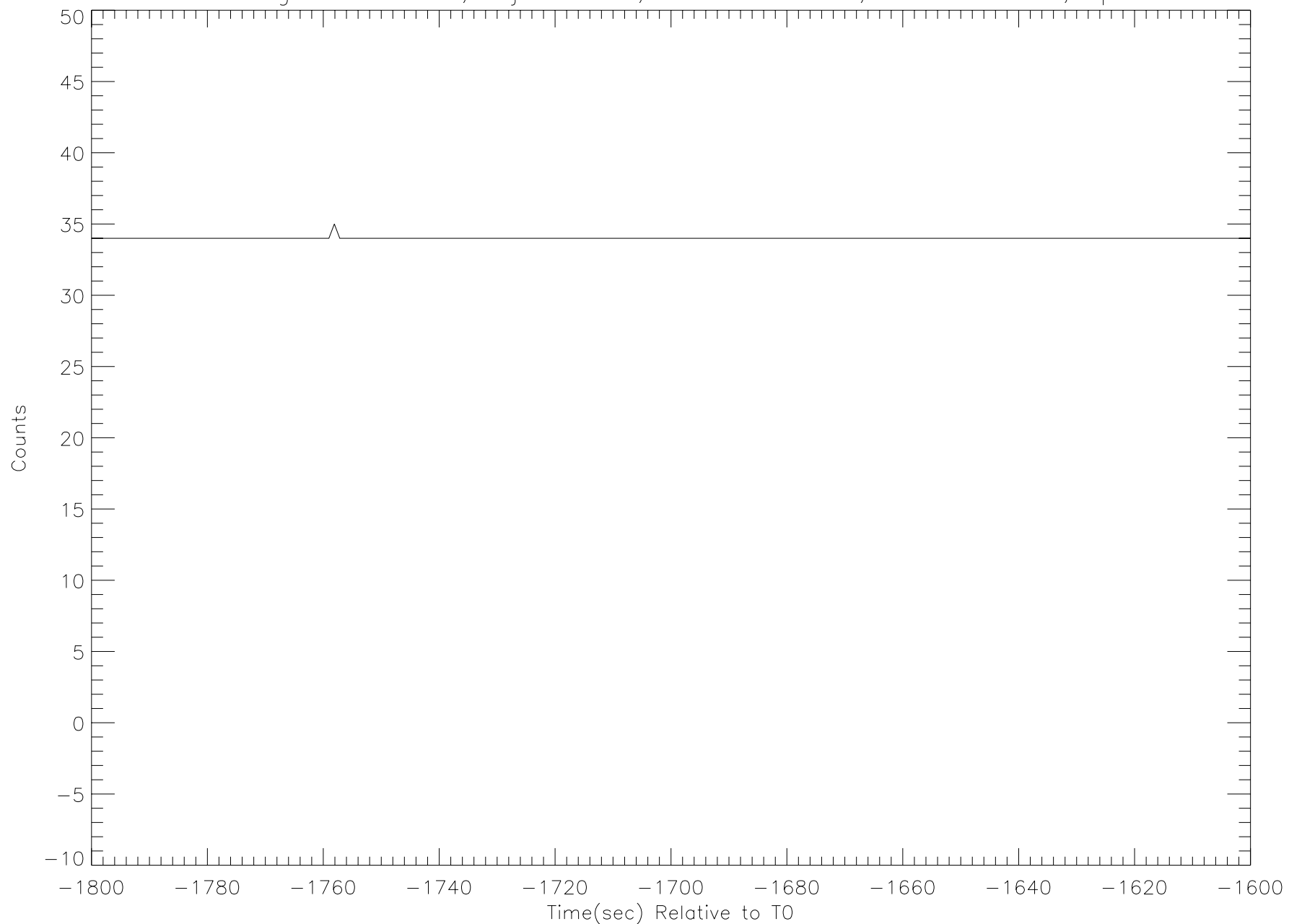


GCMS Neg VL: Total= 7, Adjacent= 3, 2nd Smaller= 3, Threshold= 80, Ops= 4



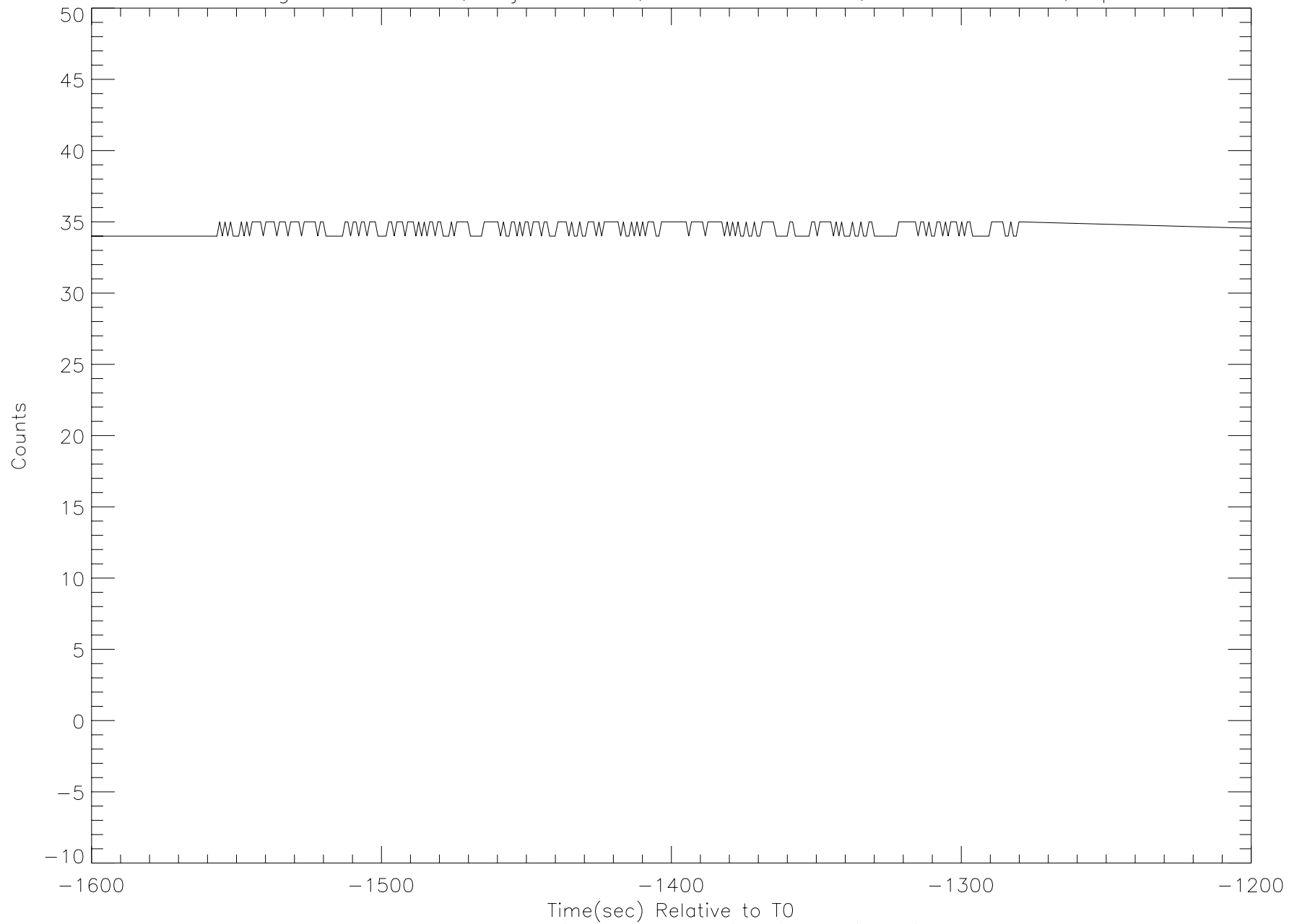
Printed: Thu Jul 15 13:26:53 2004 Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_LLPlus\_82\_Mo-CO2

GCMS Neg VL: Total= 7, Adjacent= 3, 2nd Smaller= 3, Threshold= 80, Ops= 4



Printed: Thu Jul 15 13:27:04 2004 Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_LLPlus\_82\_Mo-CO2

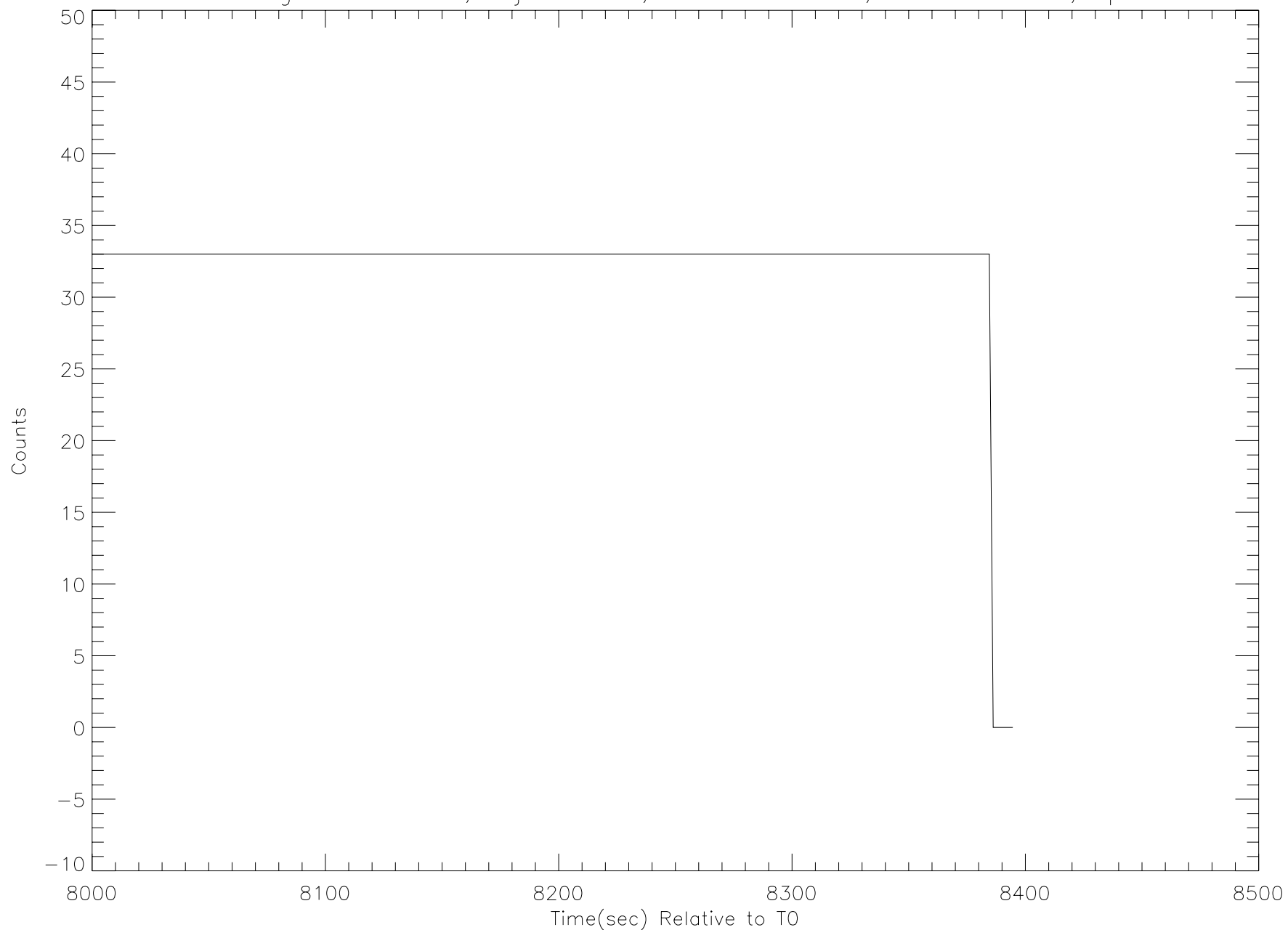
GCMS Neg VL: Total= 7, Adjacent= 3, 2nd Smaller= 3, Threshold= 80, Ops= 4



Printed: Thu Jul 15 13:27:16 2004

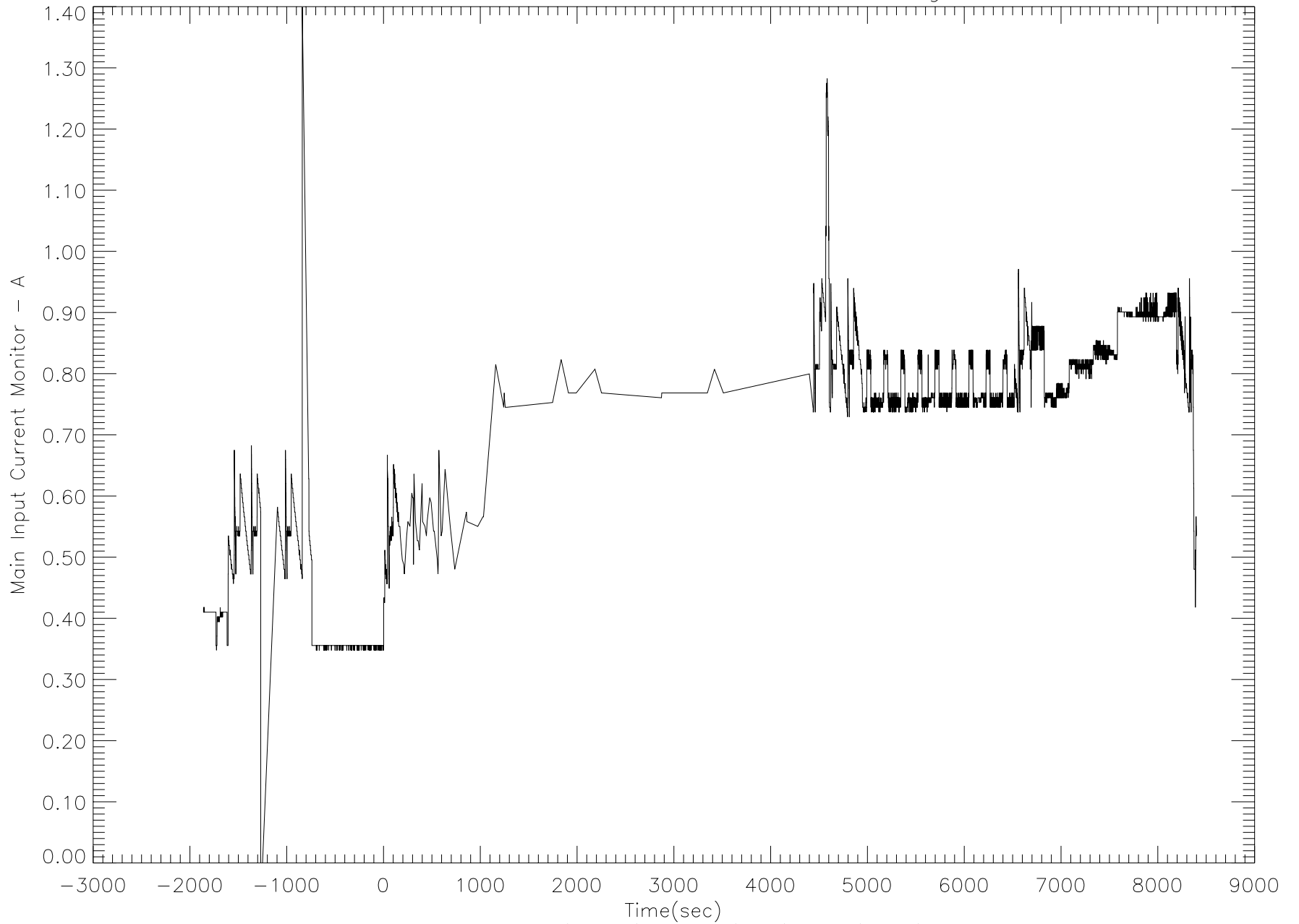
Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_LLPlus\_82\_Mo-CO2

GCMS Neg VL: Total= 7, Adjacent= 3, 2nd Smaller= 3, Threshold= 80, Ops= 4



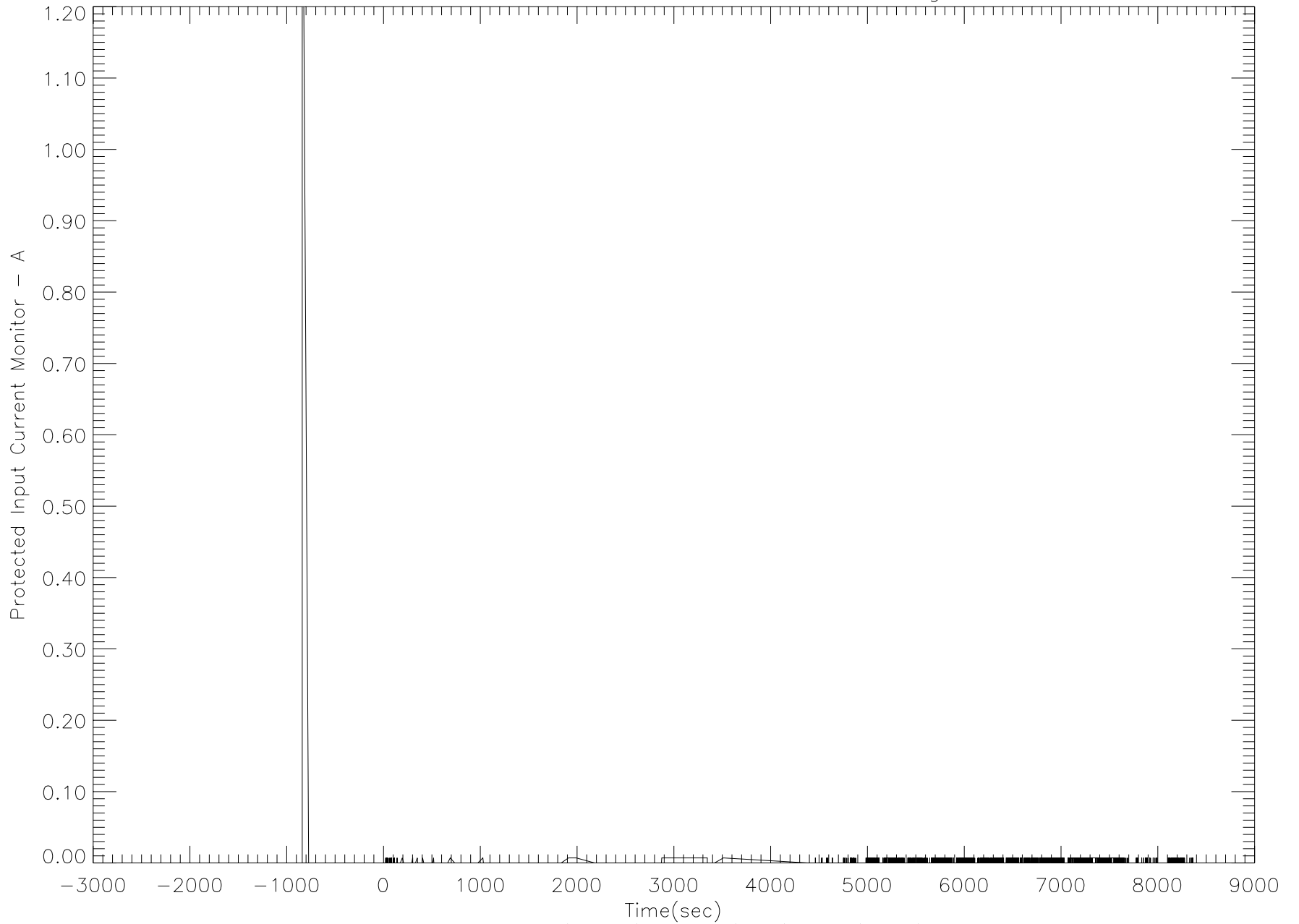
Printed: Thu Jul 15 13:27:27 2004 Path: /home/gcmsqm/gse/rev3.2/data/040714-F14\_LL\_Plus\_82\_Mo-CO2

GCMS IdleA Data Value vs. Relative Time, Page 1

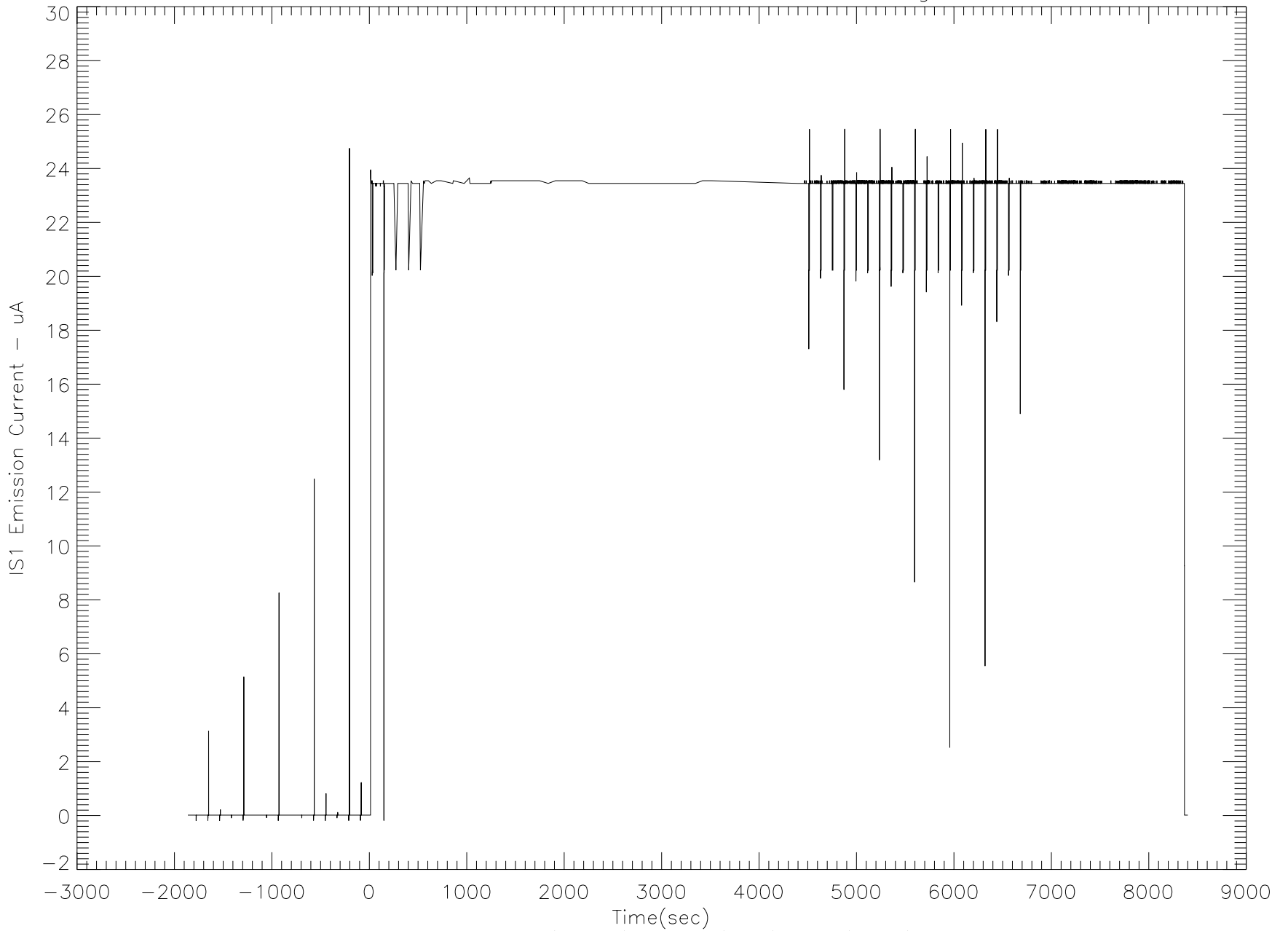




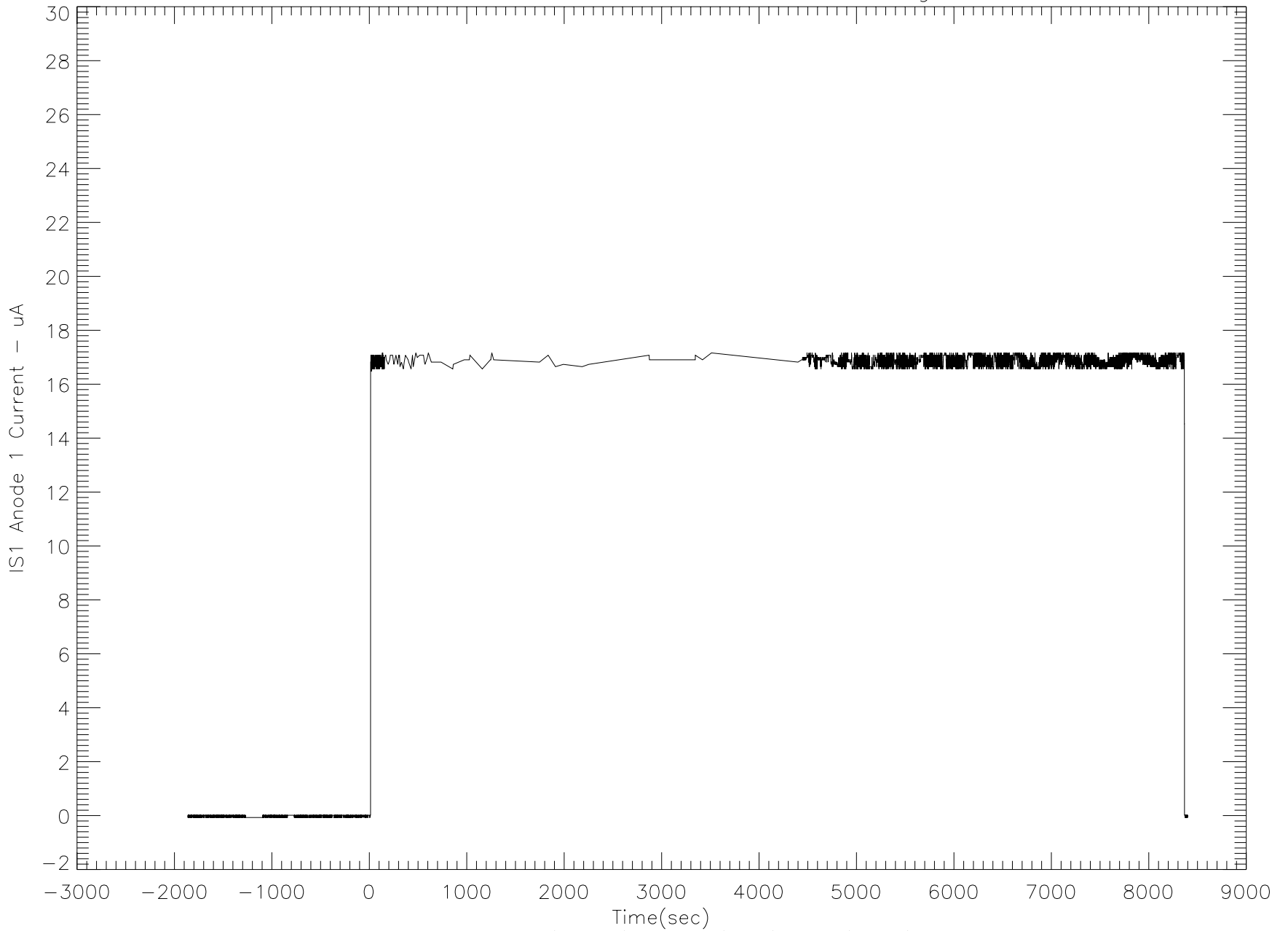
GCMS IdleA Data Value vs. Relative Time, Page 2



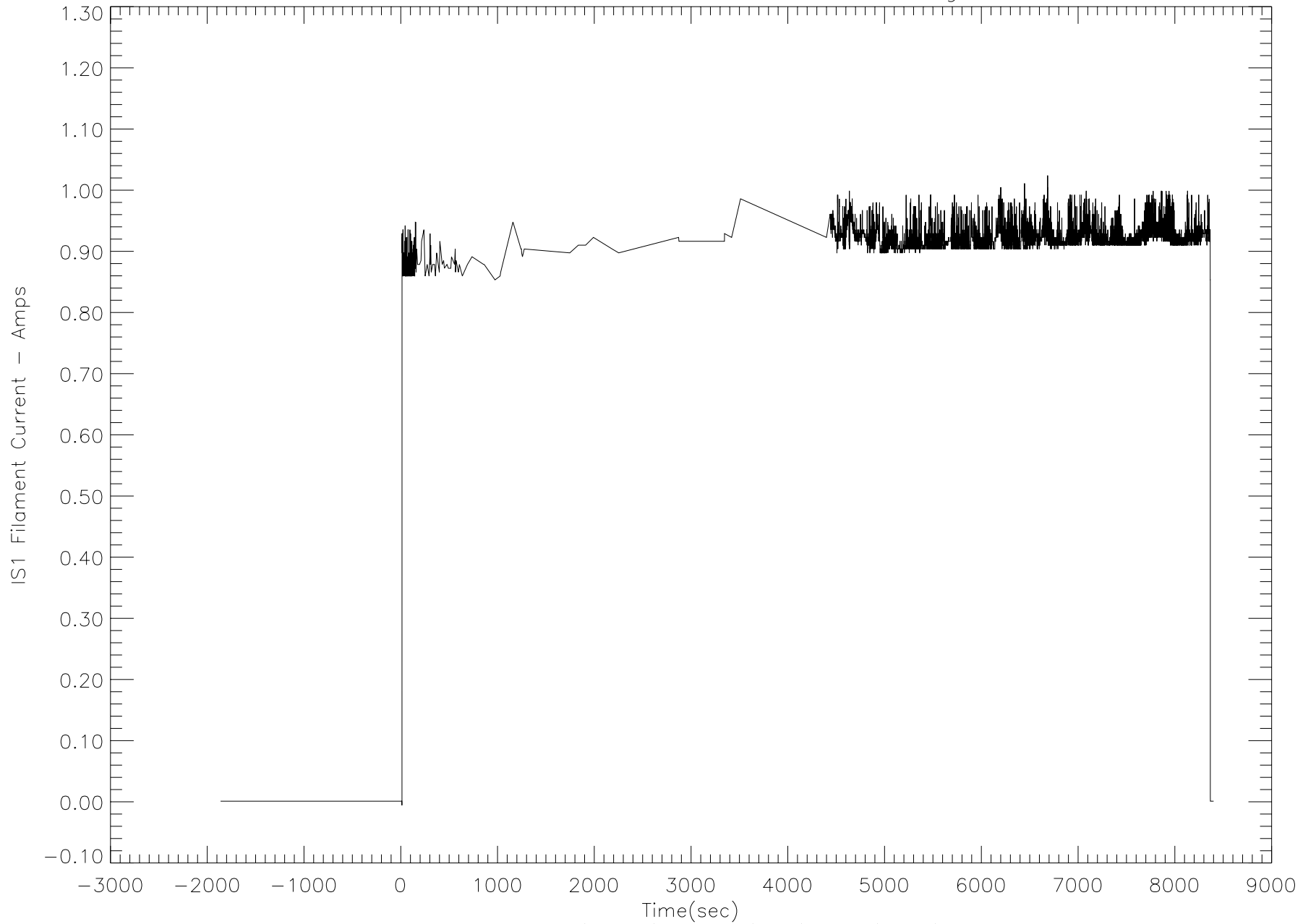
GCMS IdleA Data Value vs. Relative Time, Page 3



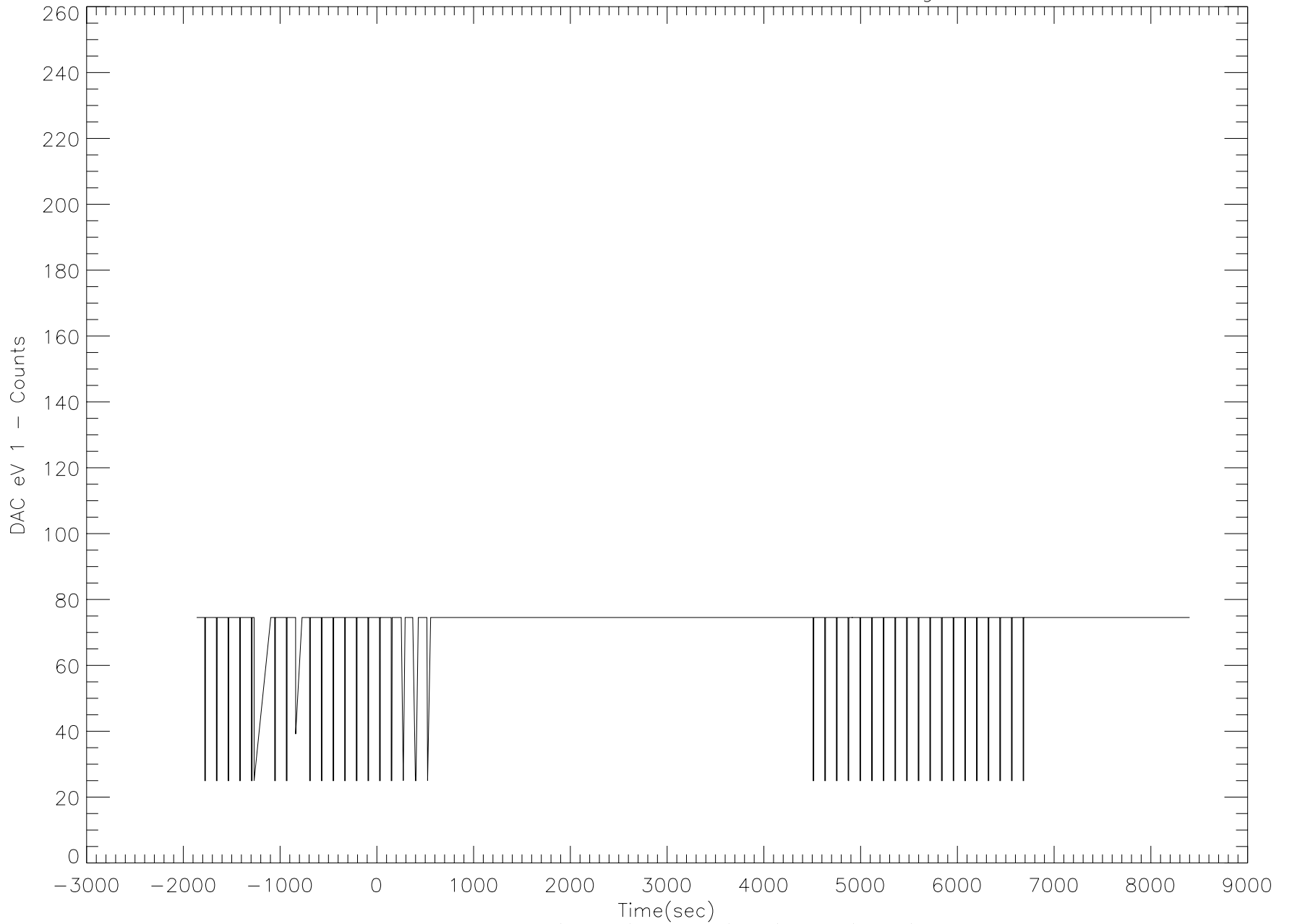
GCMS IdleA Data Value vs. Relative Time, Page 4



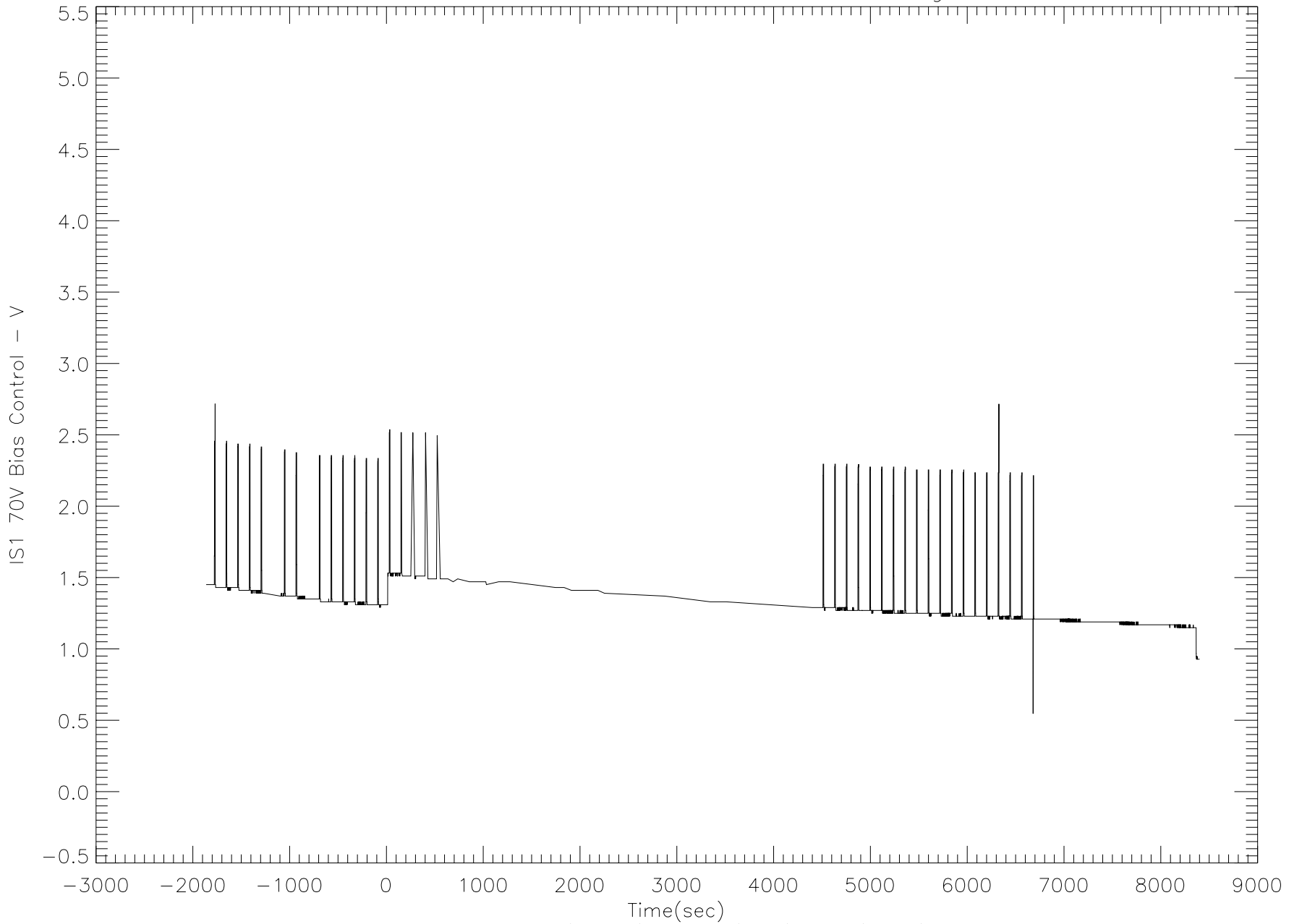
GCMS IdleA Data Value vs. Relative Time, Page 5



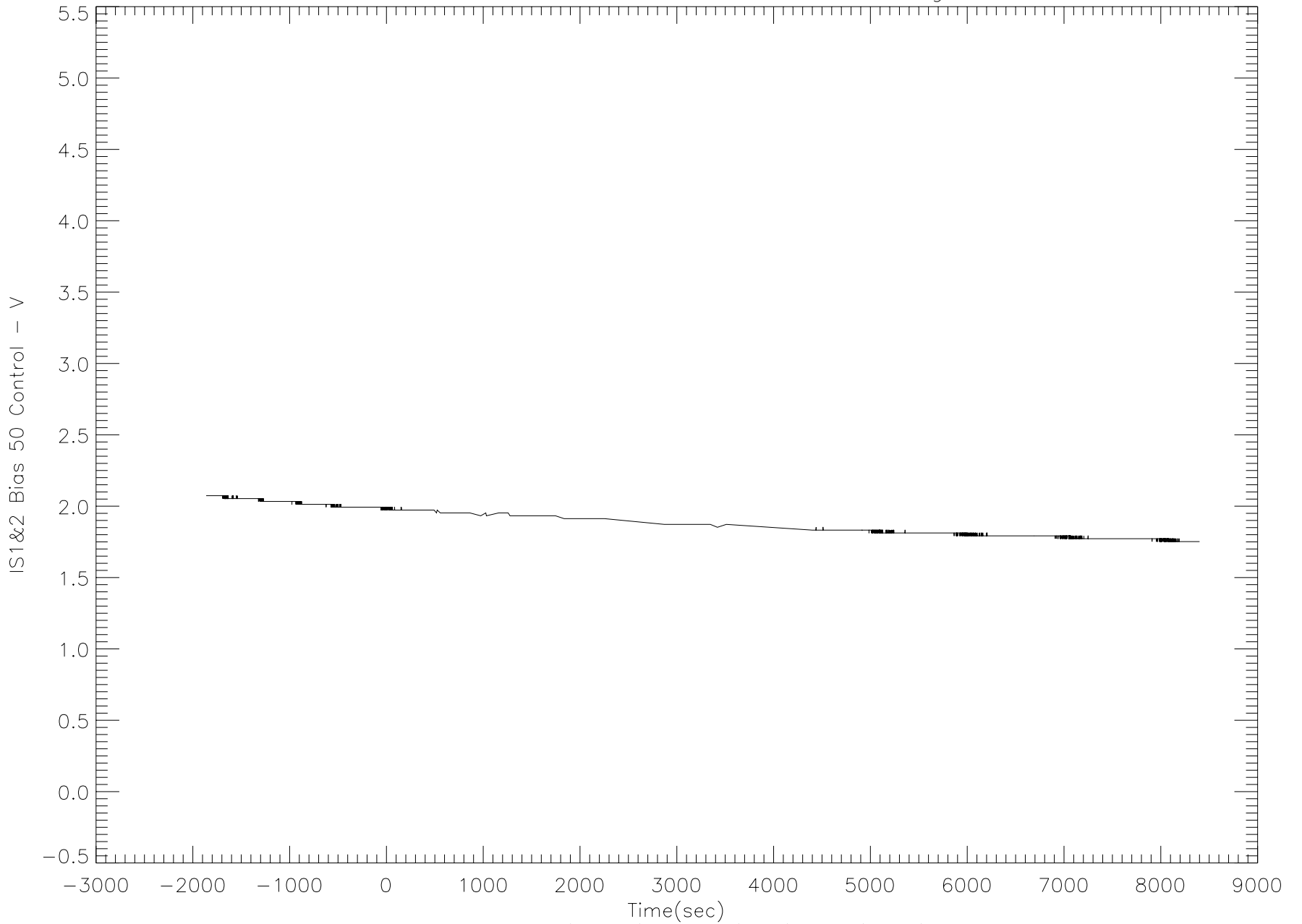
GCMS IdleA Data Value vs. Relative Time, Page 6



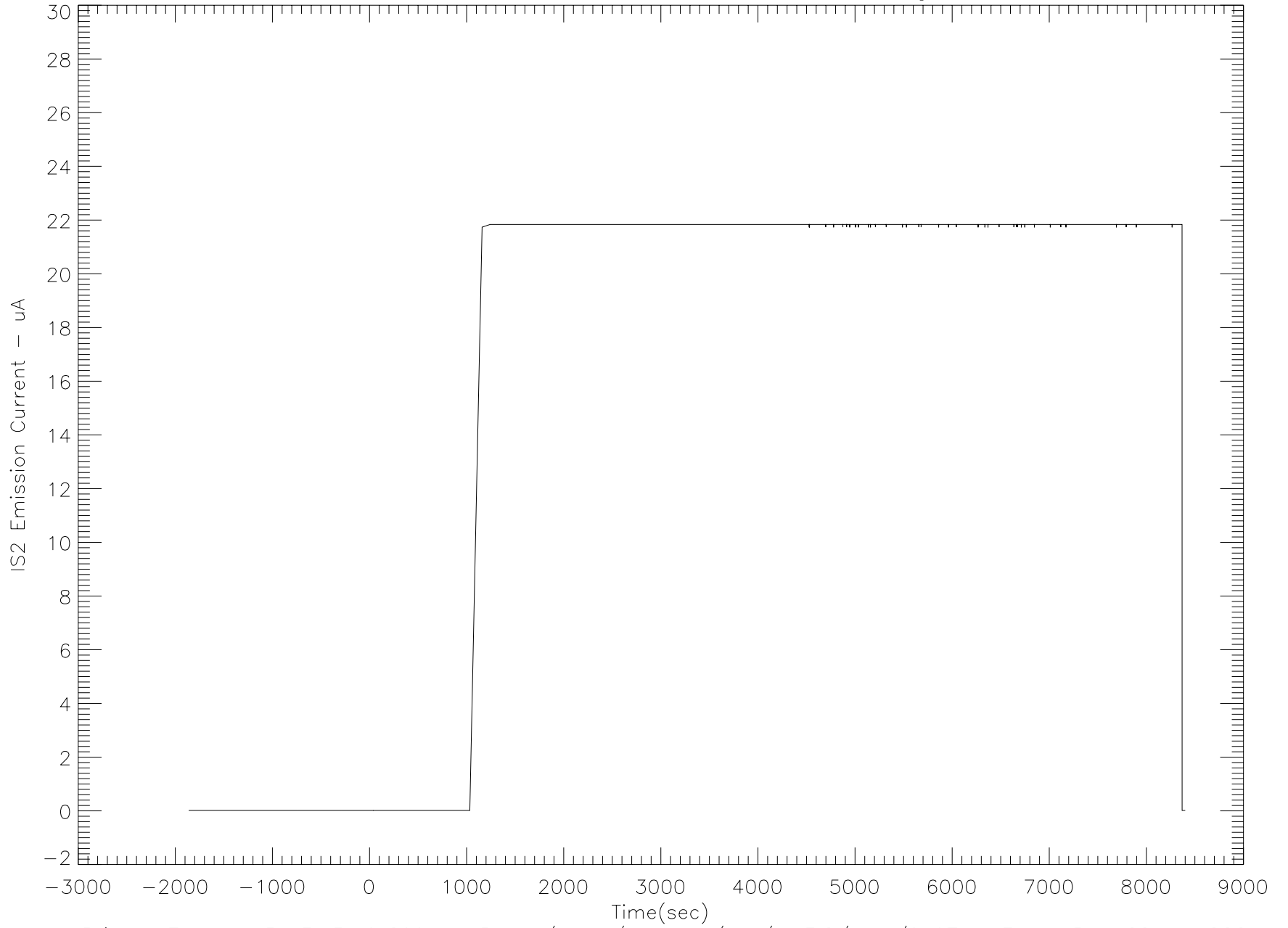
GCMS IdleA Data Value vs. Relative Time, Page 7



GCMS IdleA Data Value vs. Relative Time, Page 8

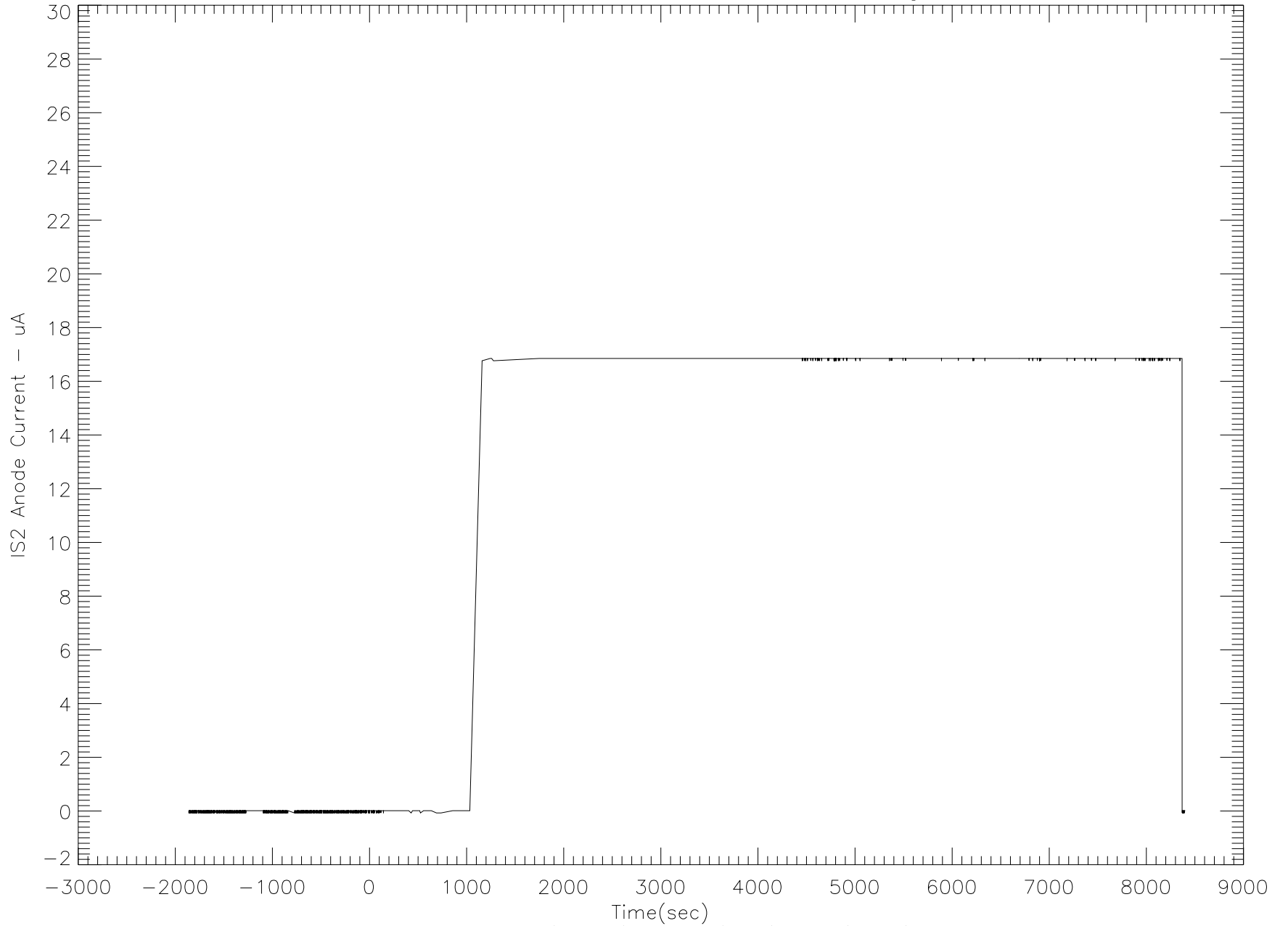


GCMS IdleA Data Value vs. Relative Time, Page 9

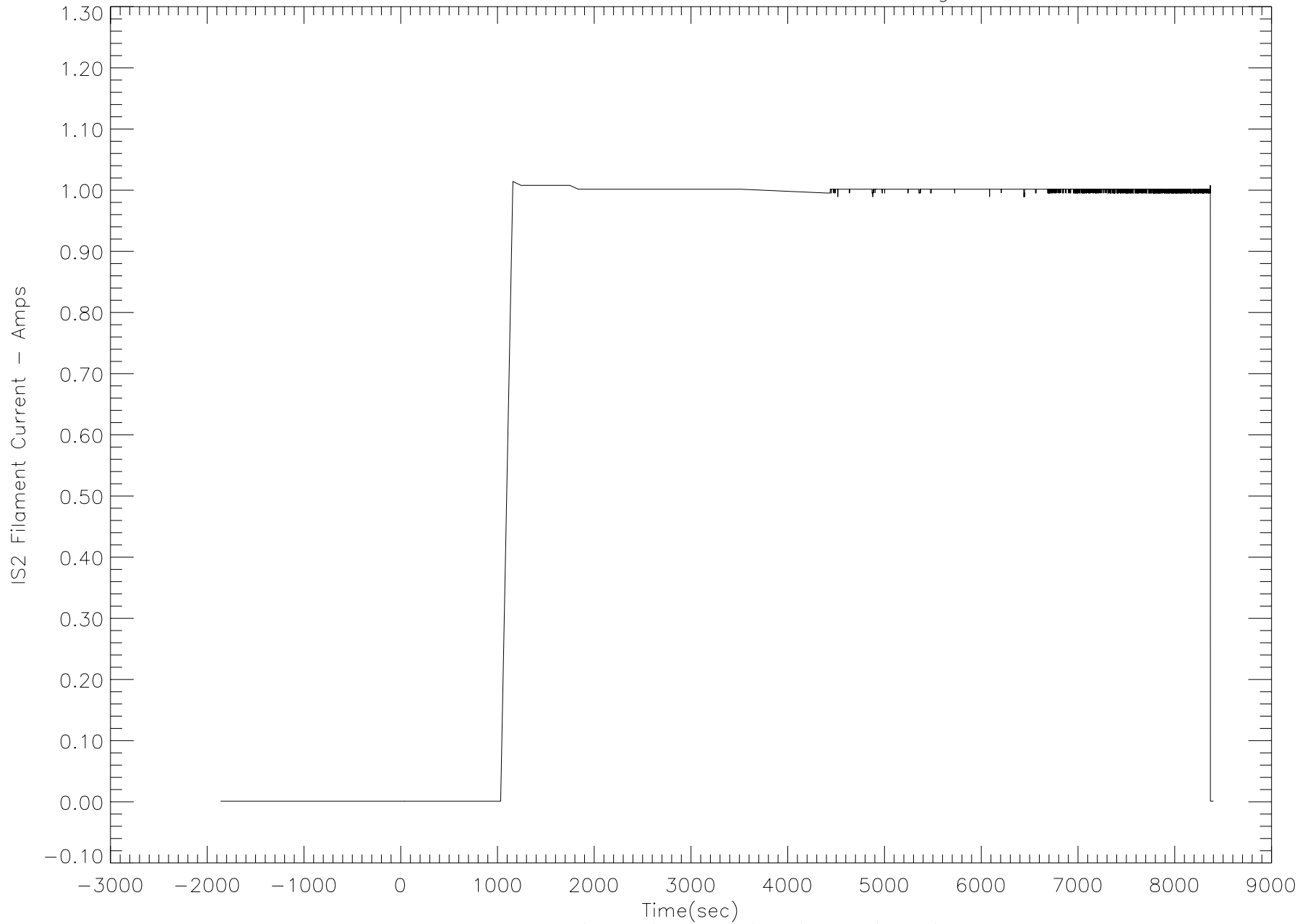




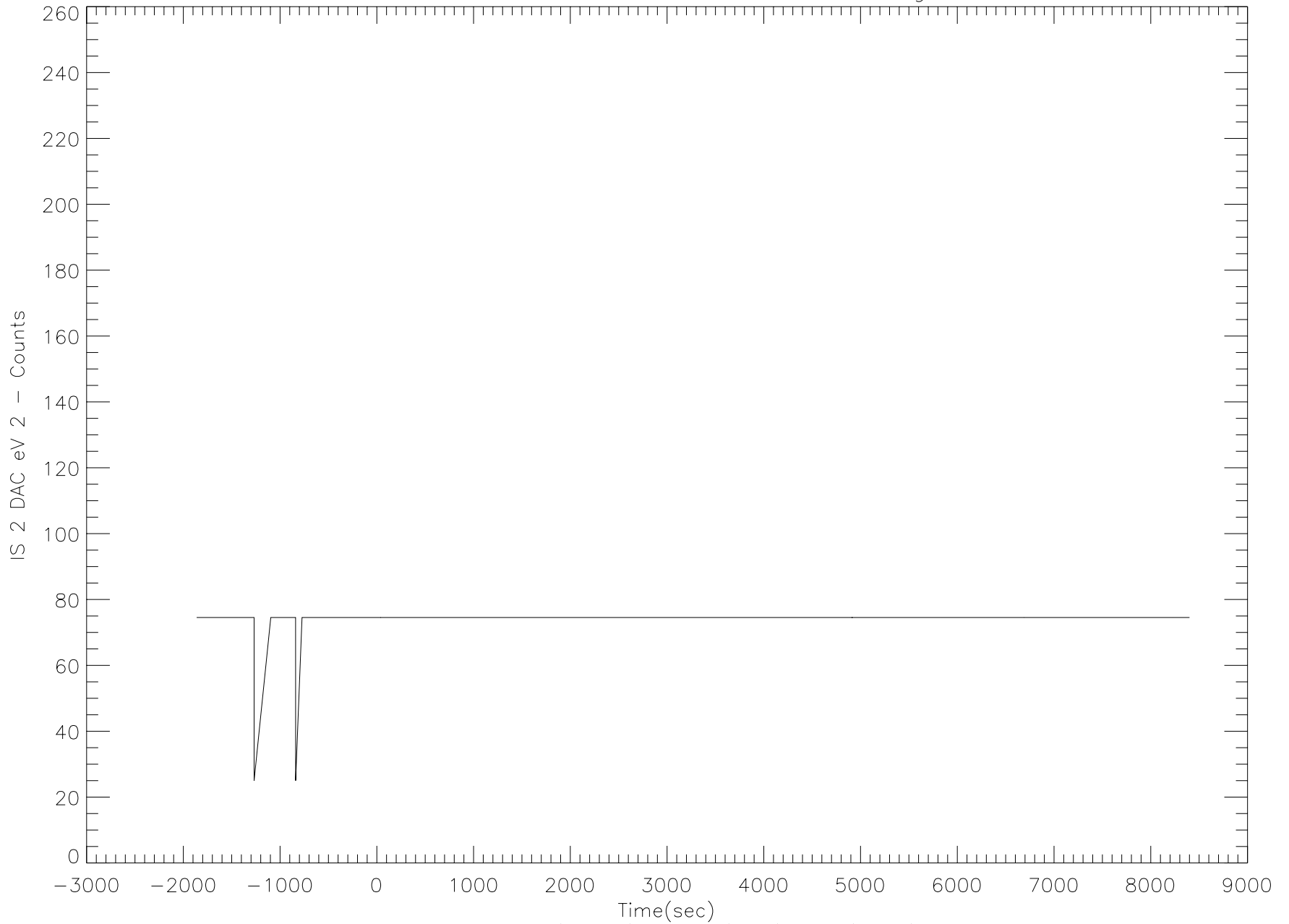
GCMS IdleA Data Value vs. Relative Time, Page 10



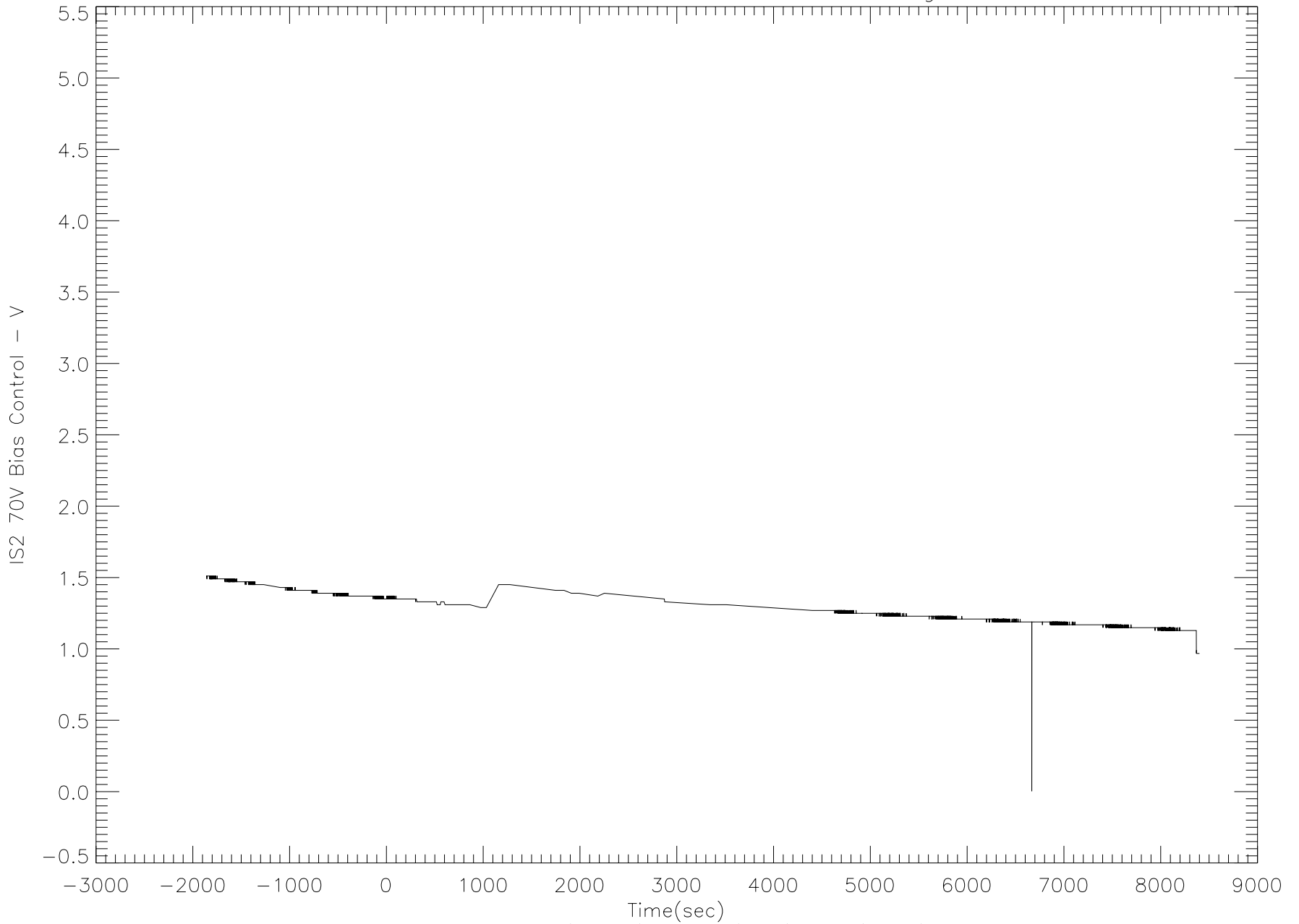
GCMS IdleA Data Value vs. Relative Time, Page 11

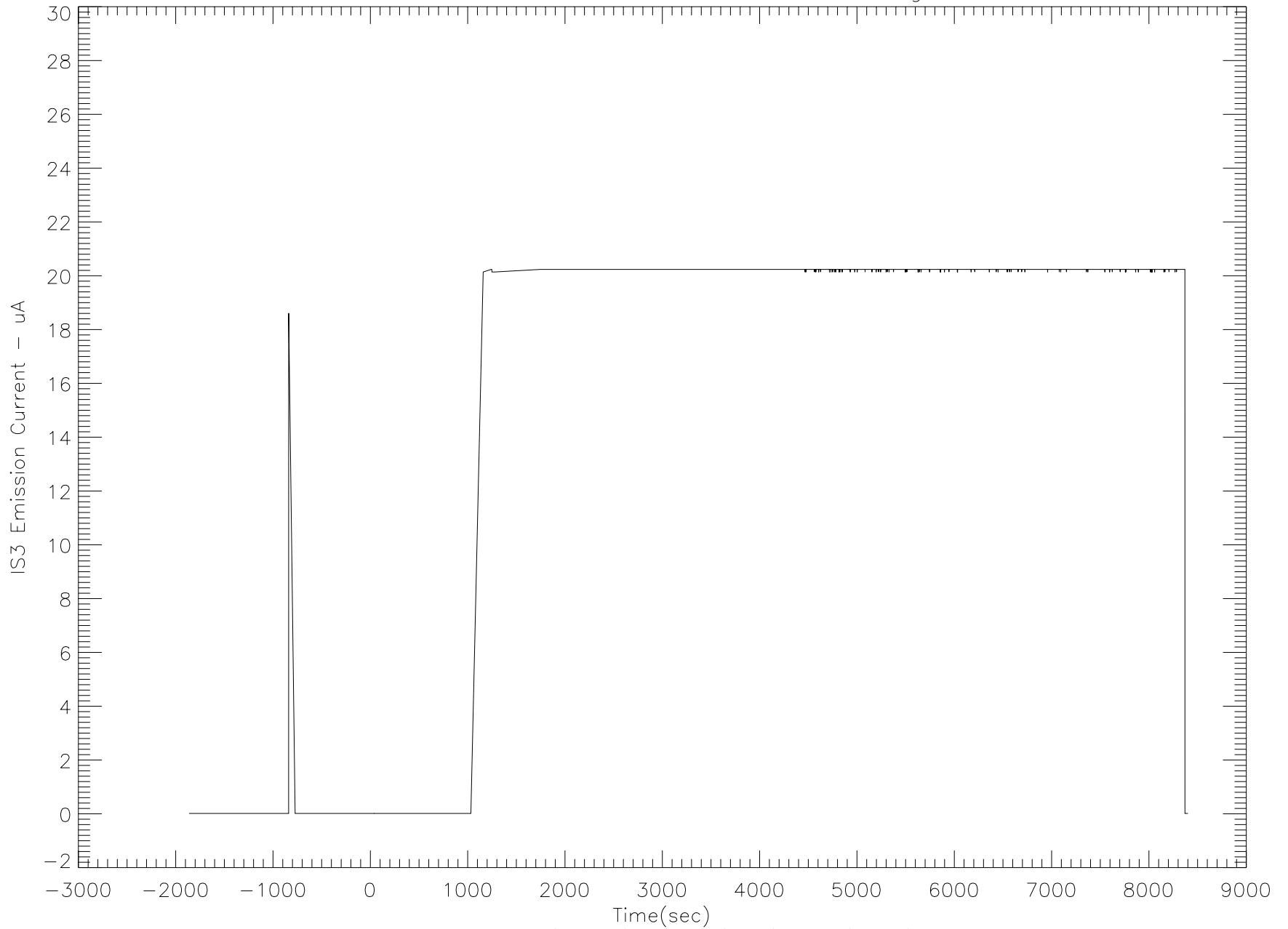


GCMS IdleA Data Value vs. Relative Time, Page 12

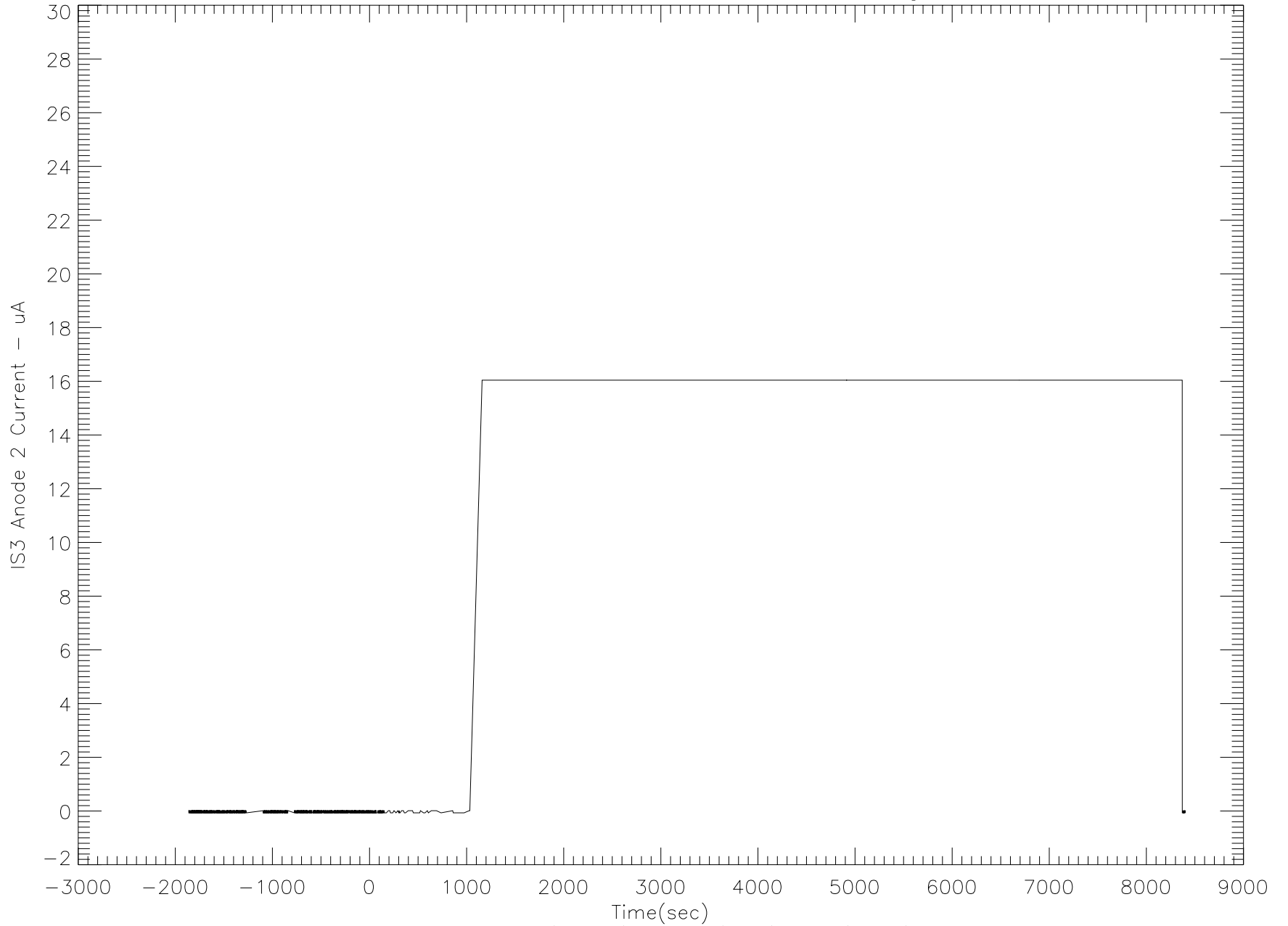


GCMS IdleA Data Value vs. Relative Time, Page 13

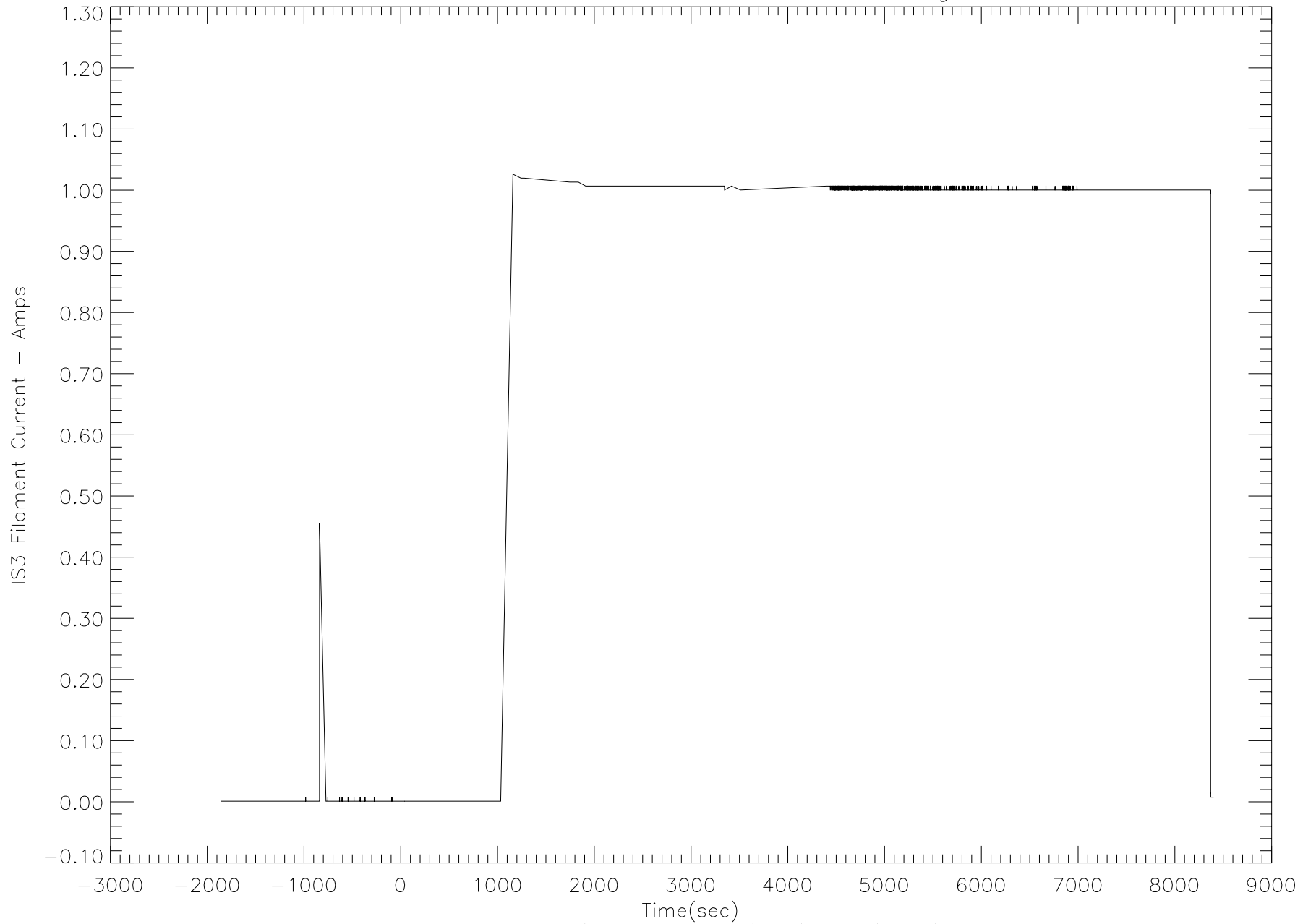




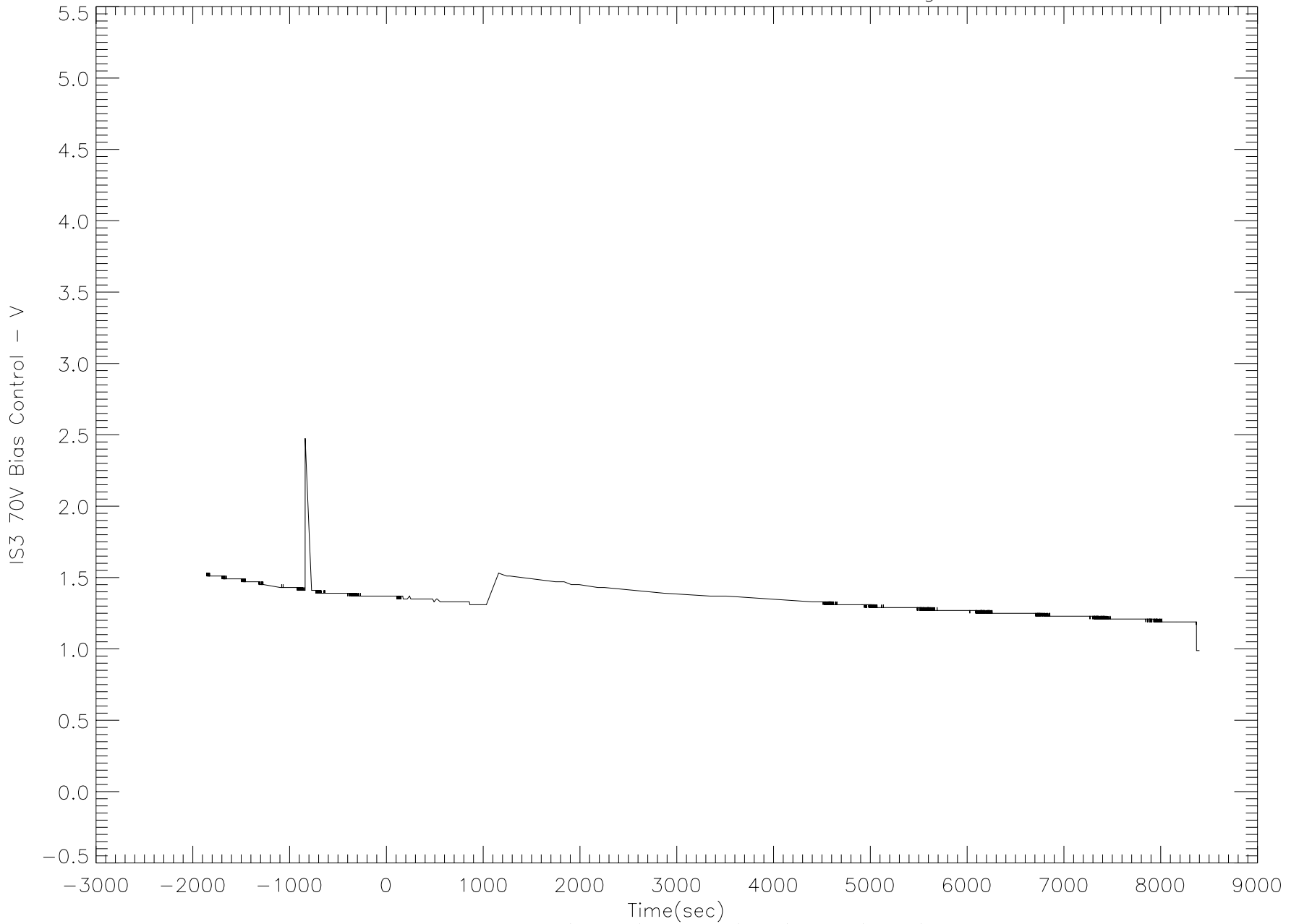
GCMS IdleA Data Value vs. Relative Time, Page 15



GCMS IdleA Data Value vs. Relative Time, Page 16

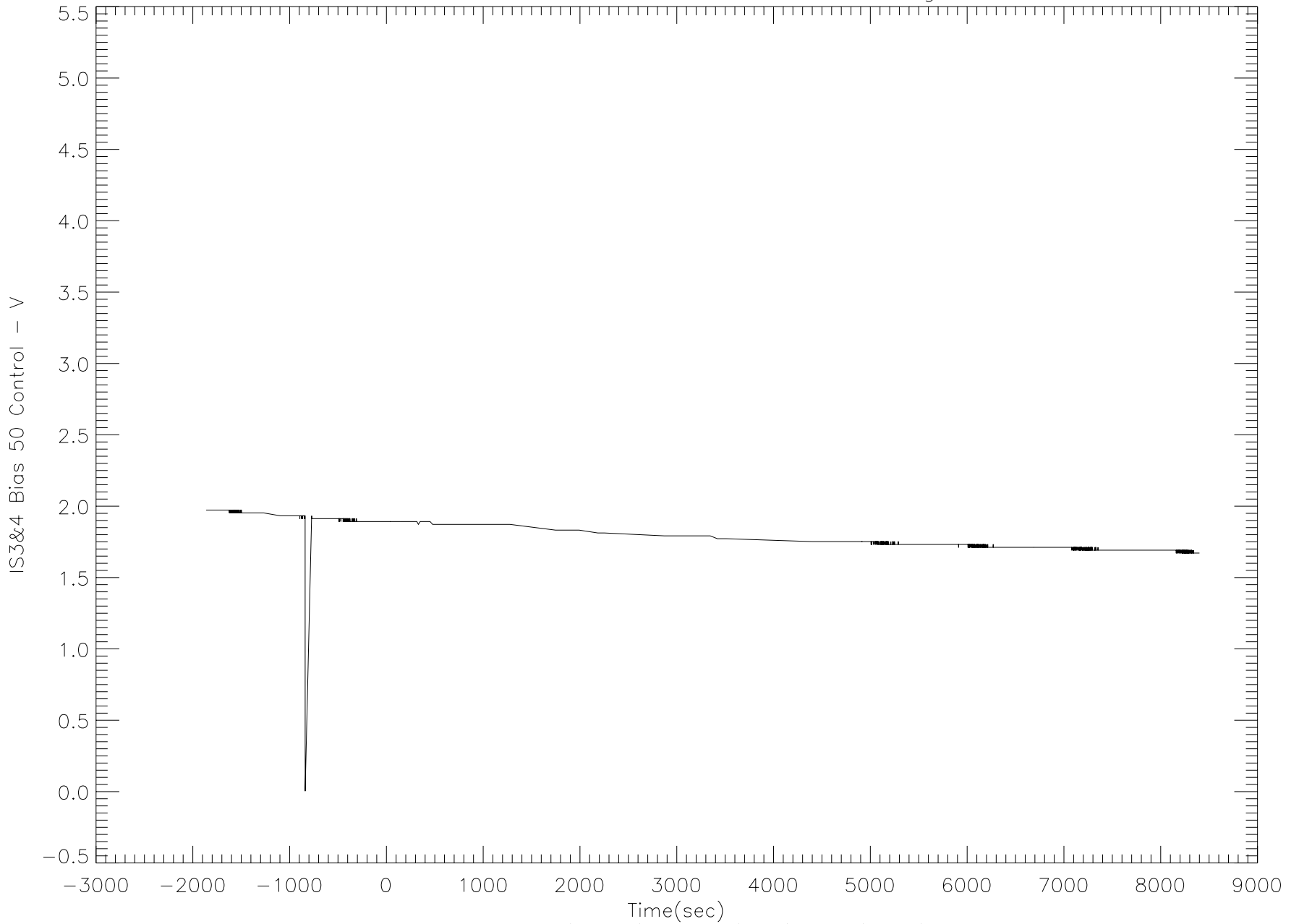


GCMS IdleA Data Value vs. Relative Time, Page 17

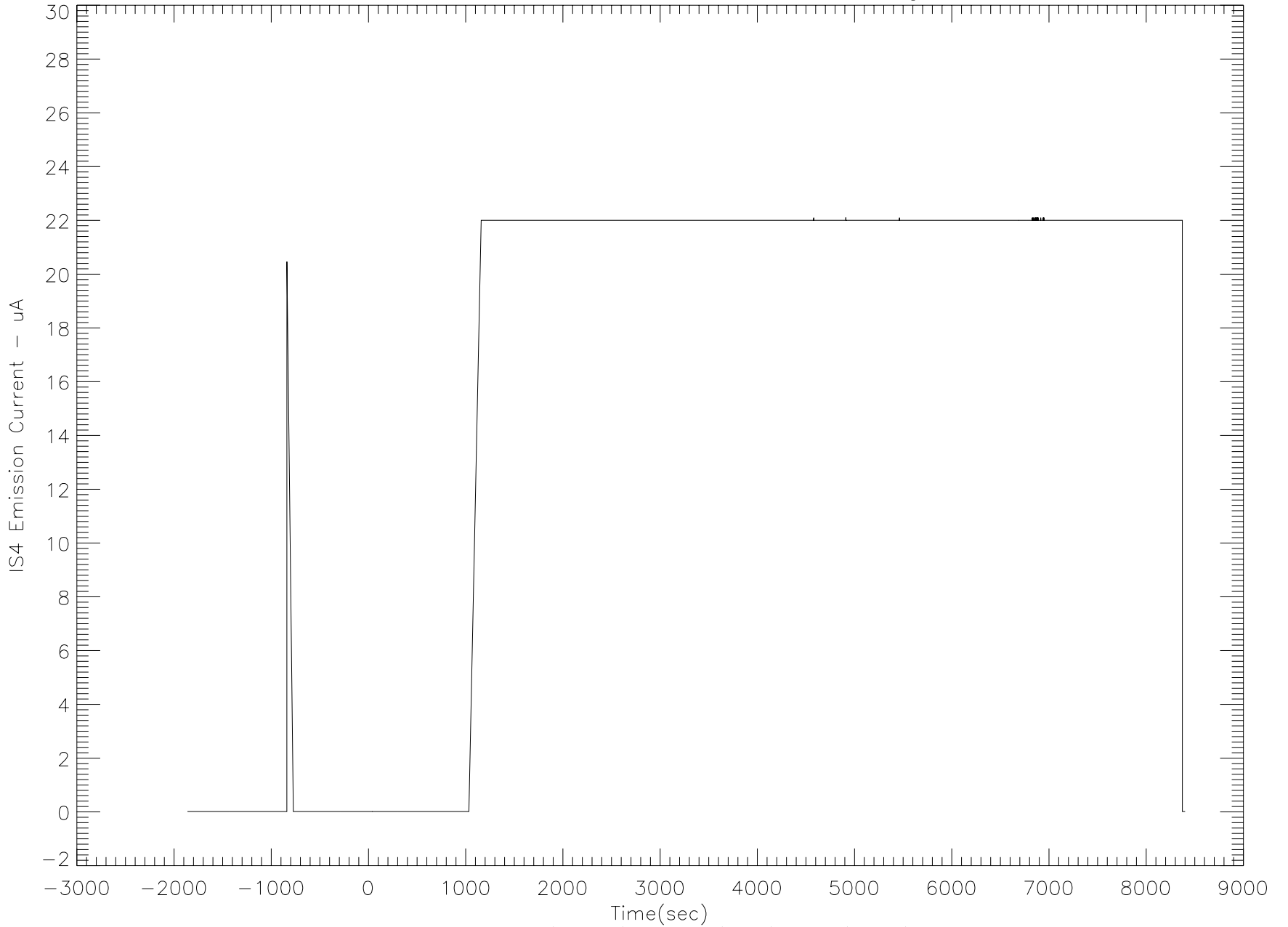




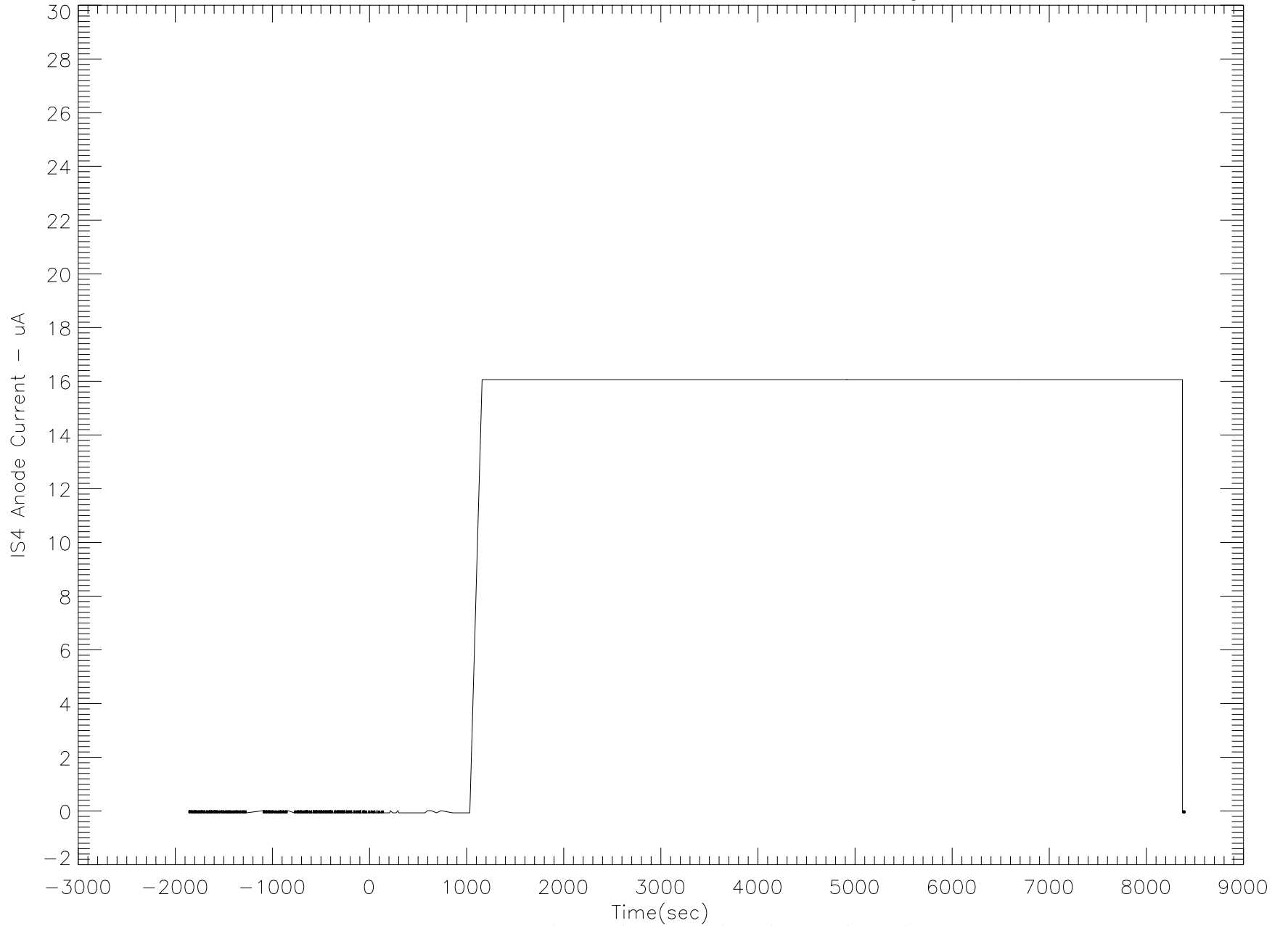
GCMS IdleA Data Value vs. Relative Time, Page 18



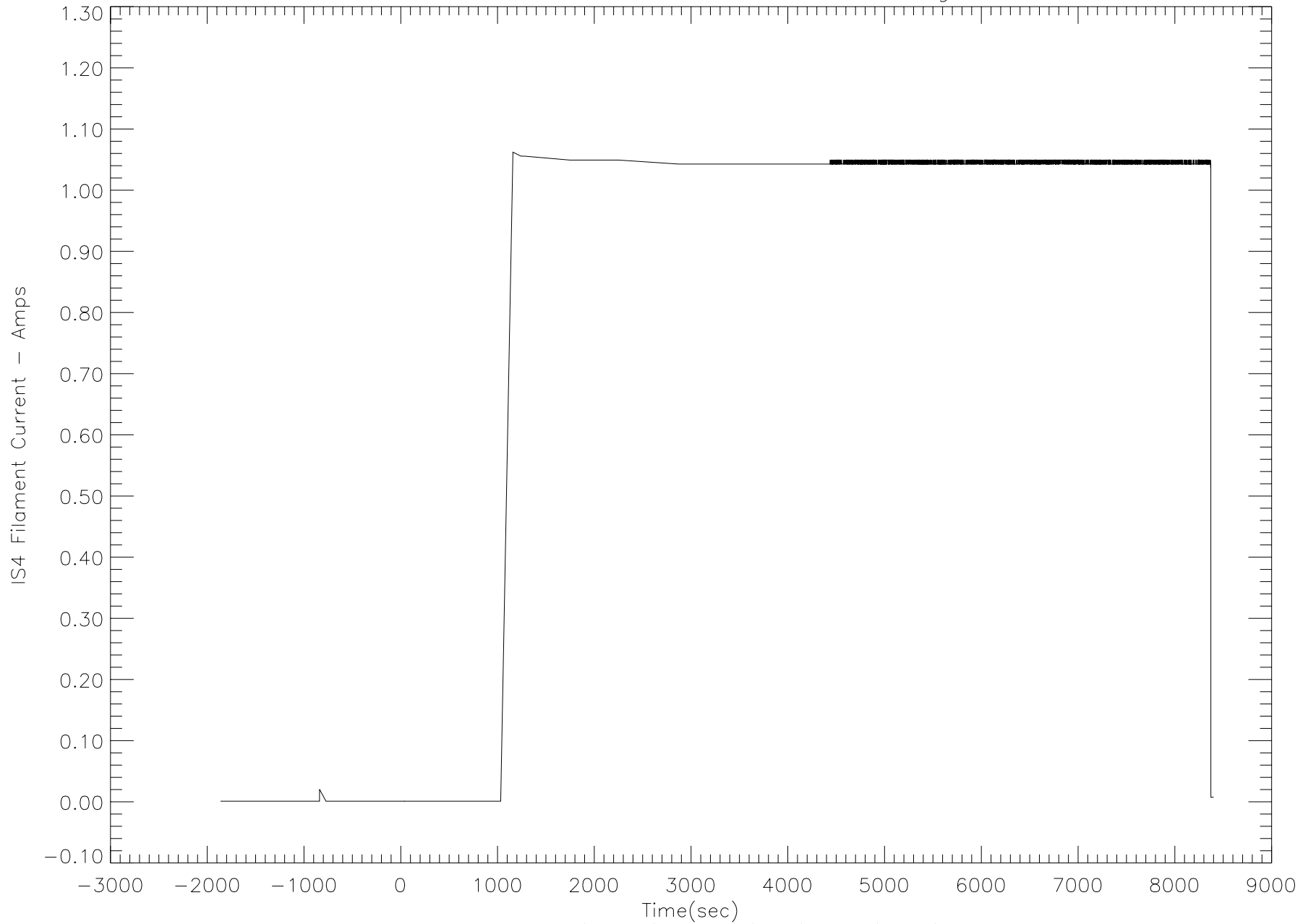
GCMS IdleA Data Value vs. Relative Time, Page 19



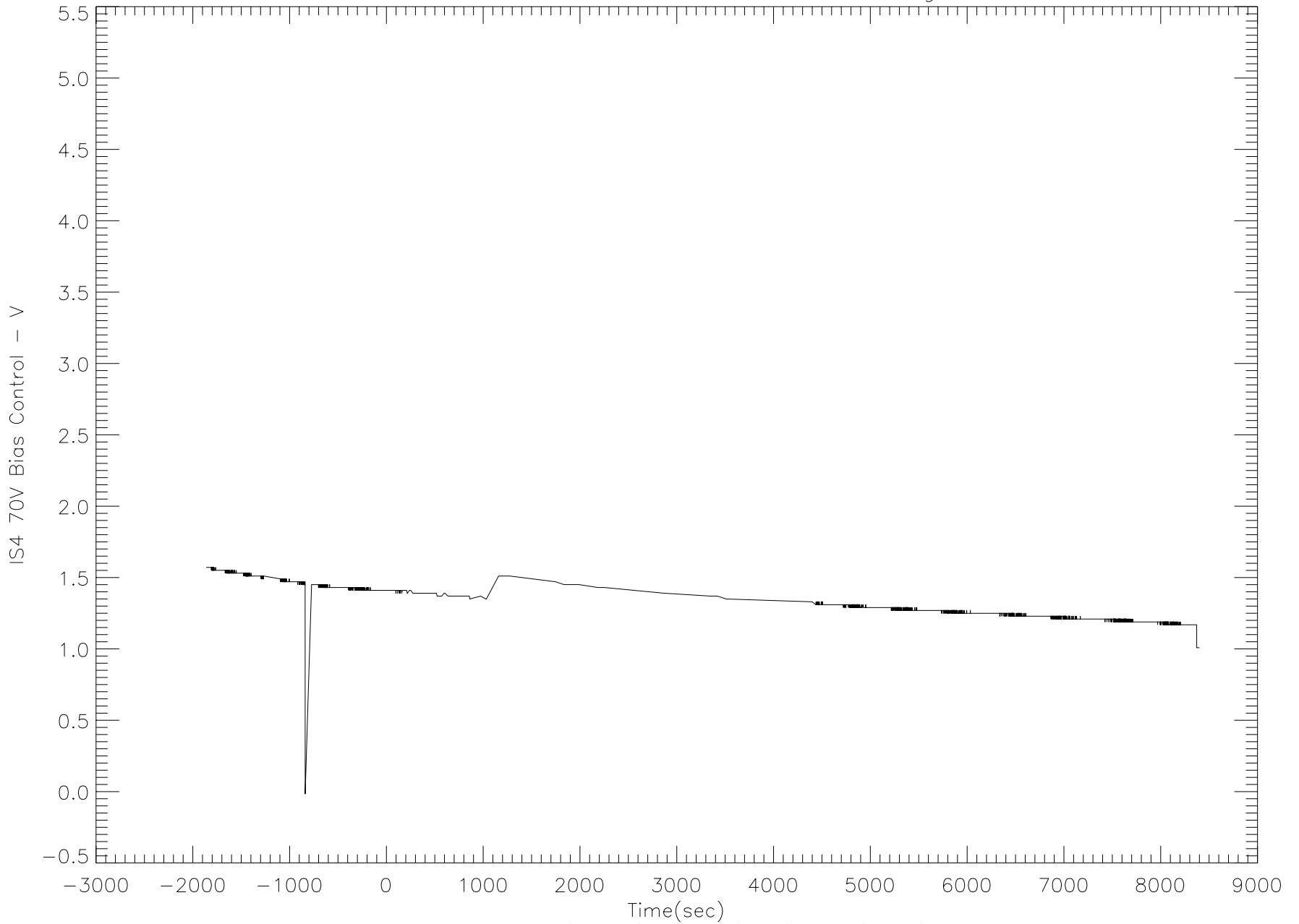
GCMS IdleA Data Value vs. Relative Time, Page 20



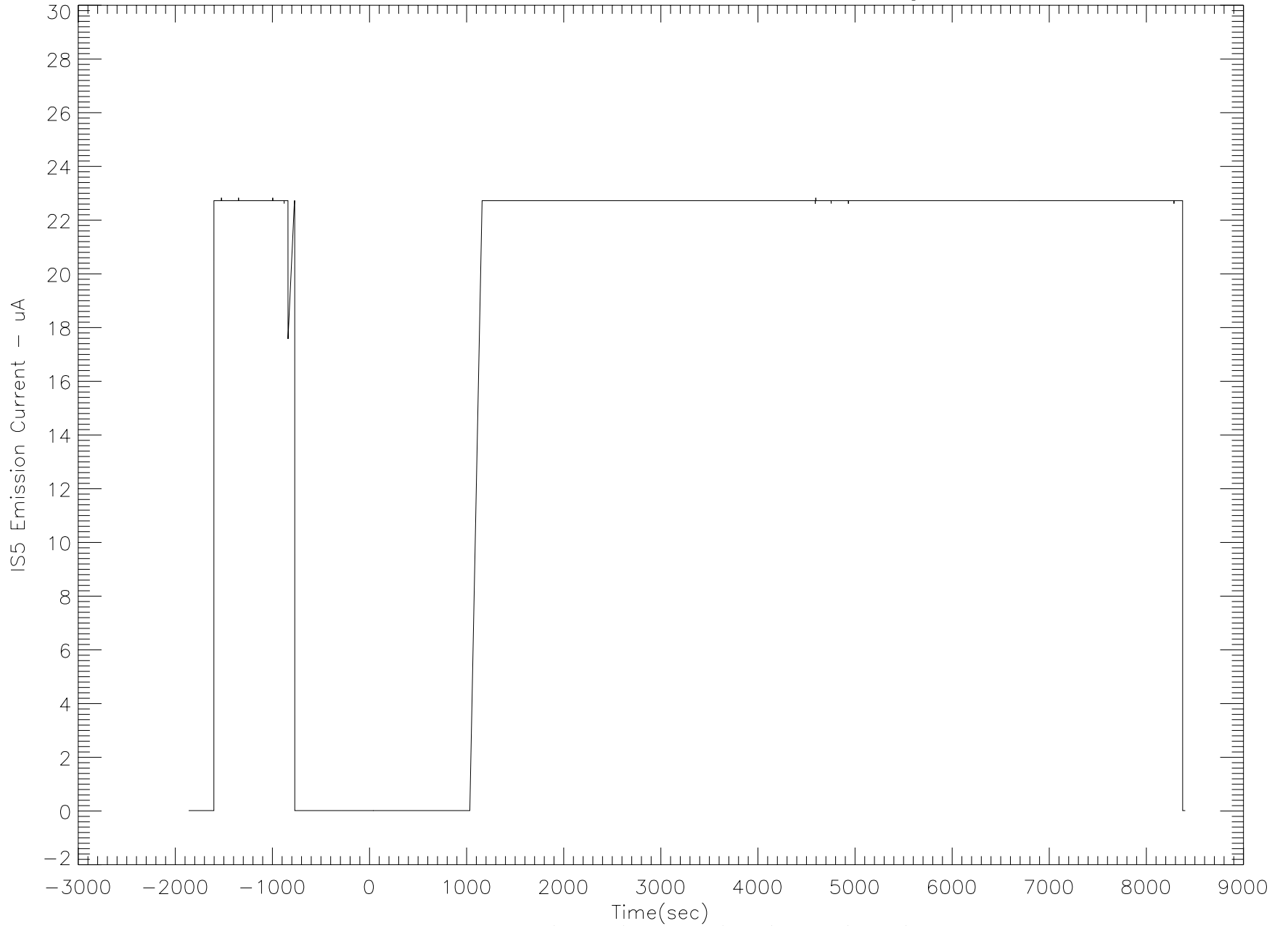
GCMS IdleA Data Value vs. Relative Time, Page 21

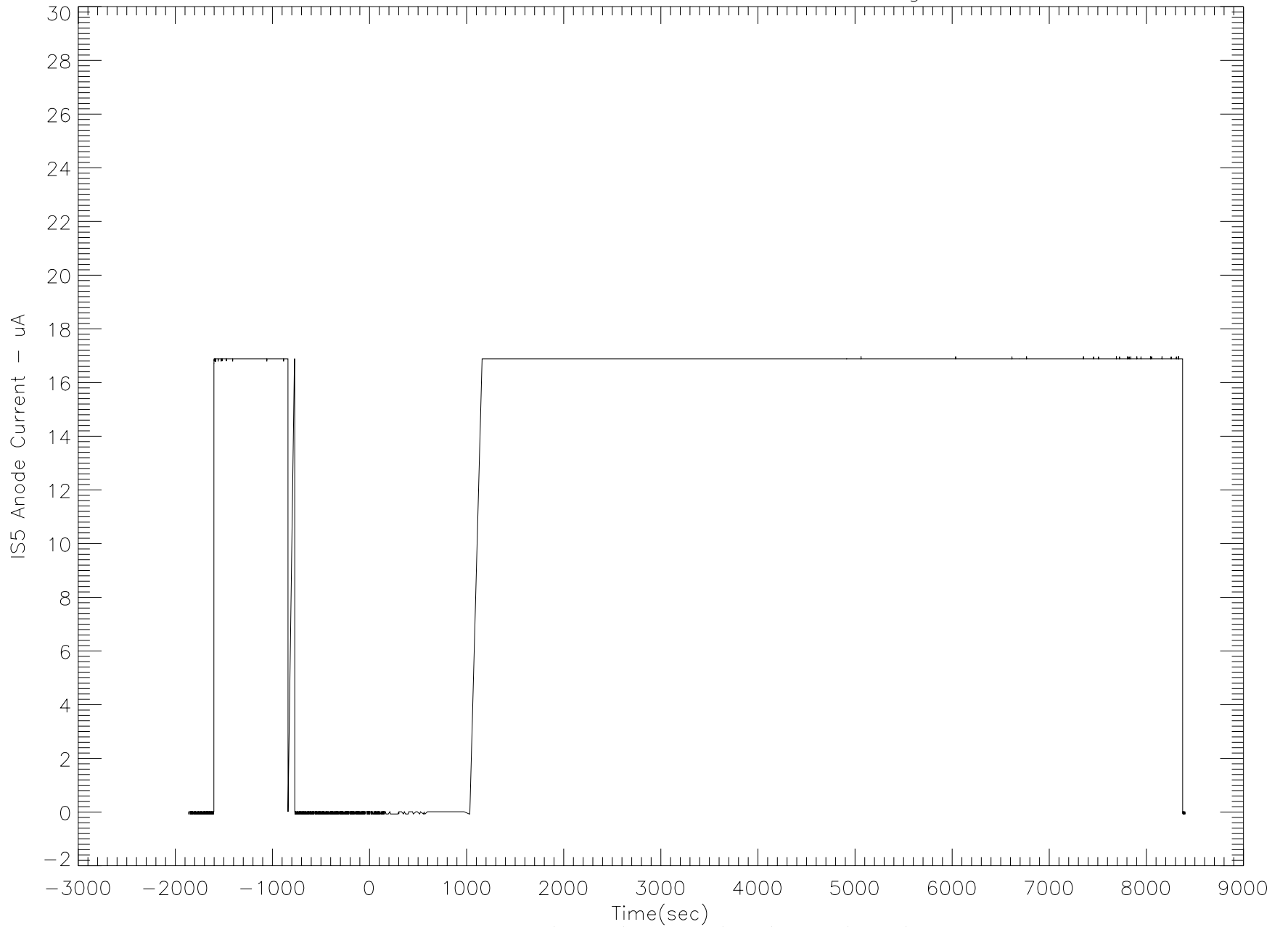


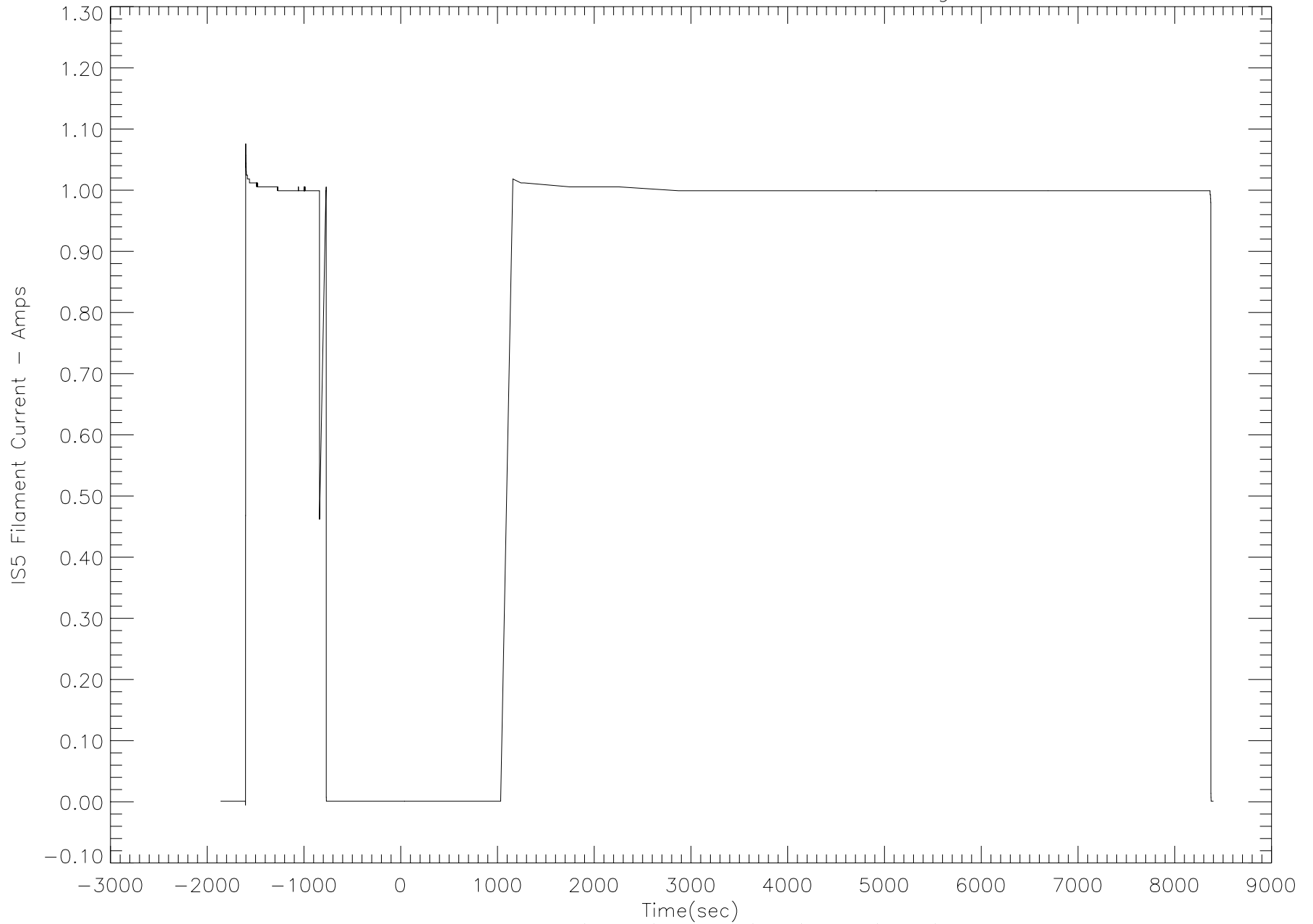
GCMS IdleA Data Value vs. Relative Time, Page 22



GCMS IdleA Data Value vs. Relative Time, Page 23

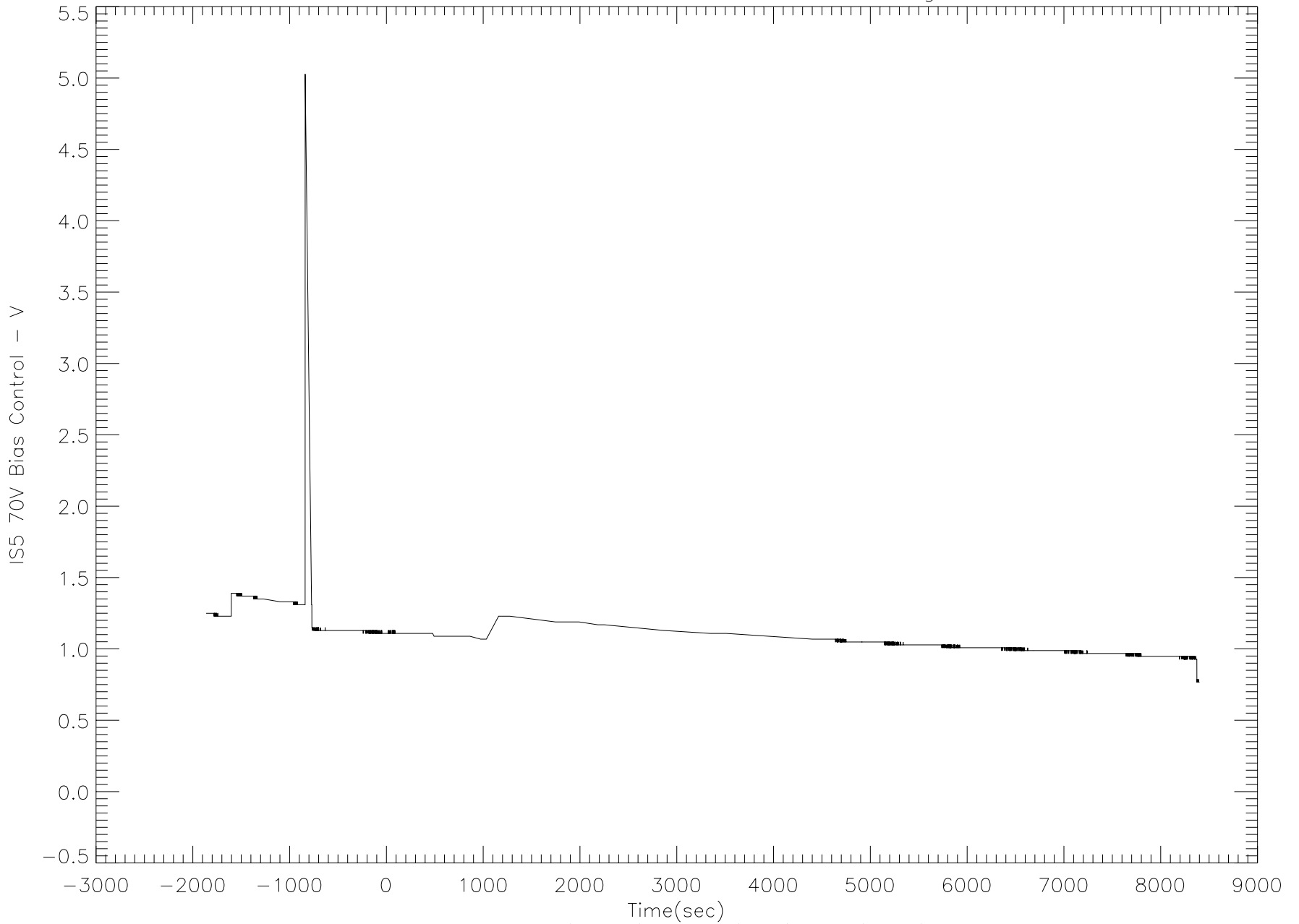




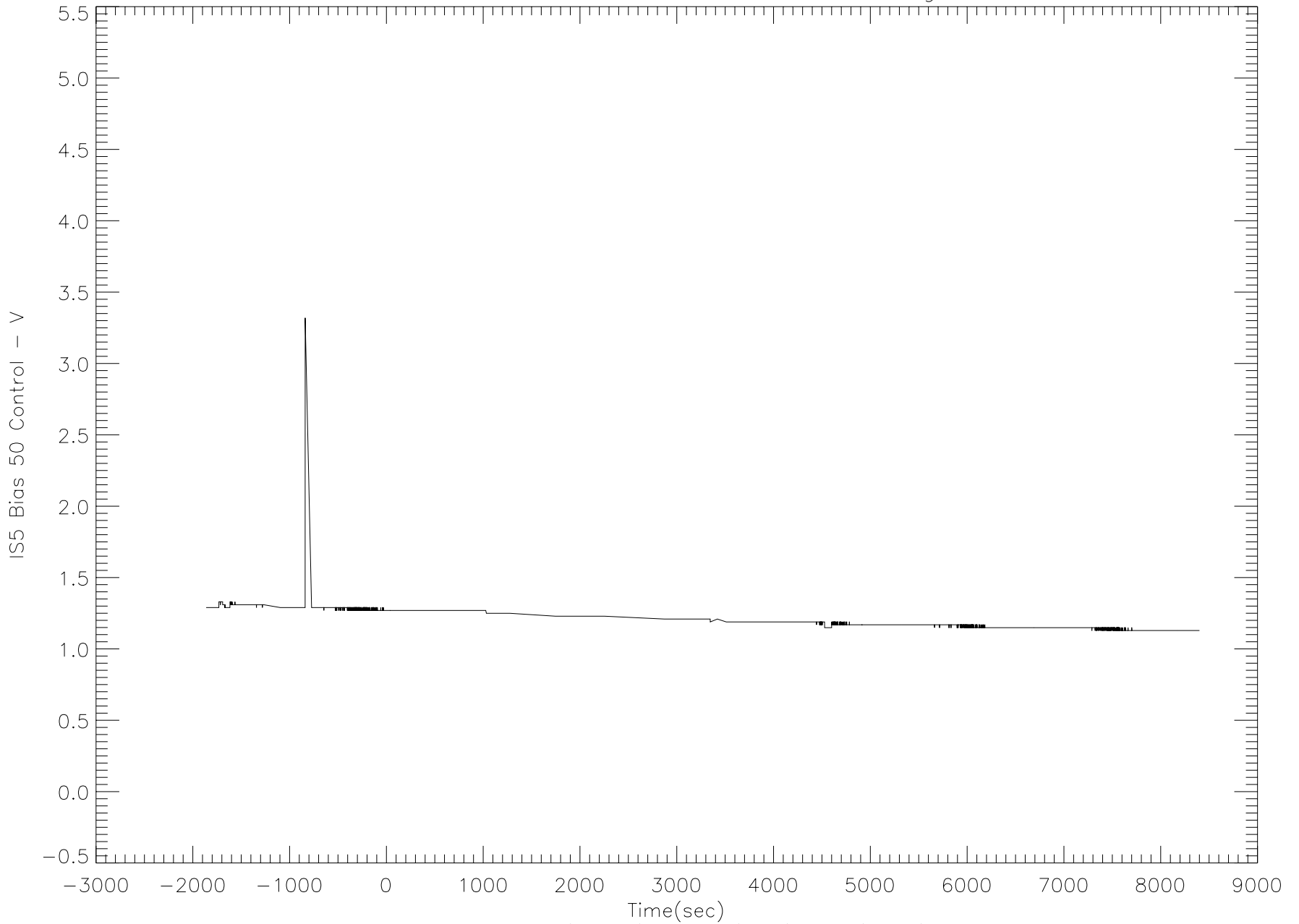




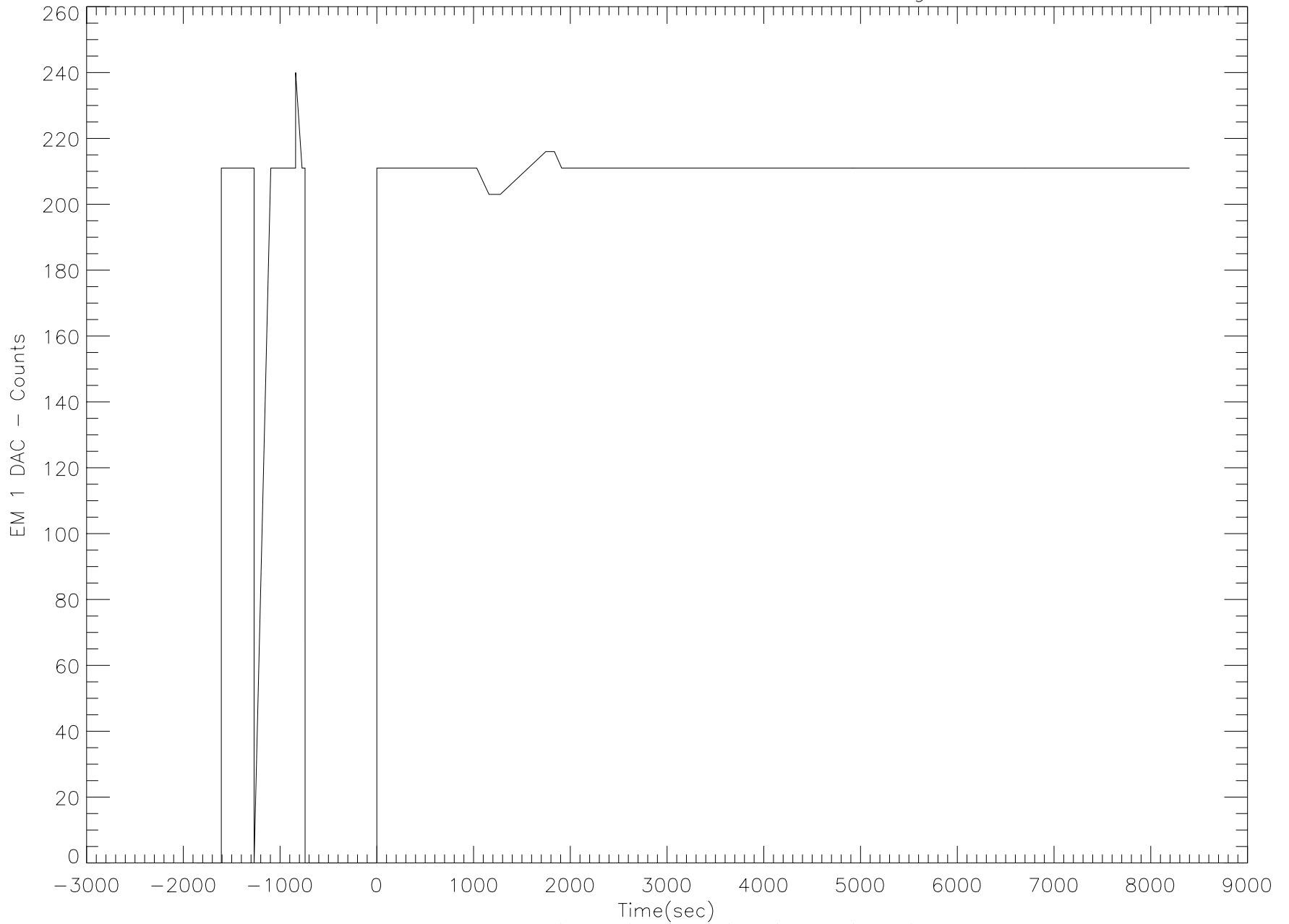
GCMS IdleA Data Value vs. Relative Time, Page 26



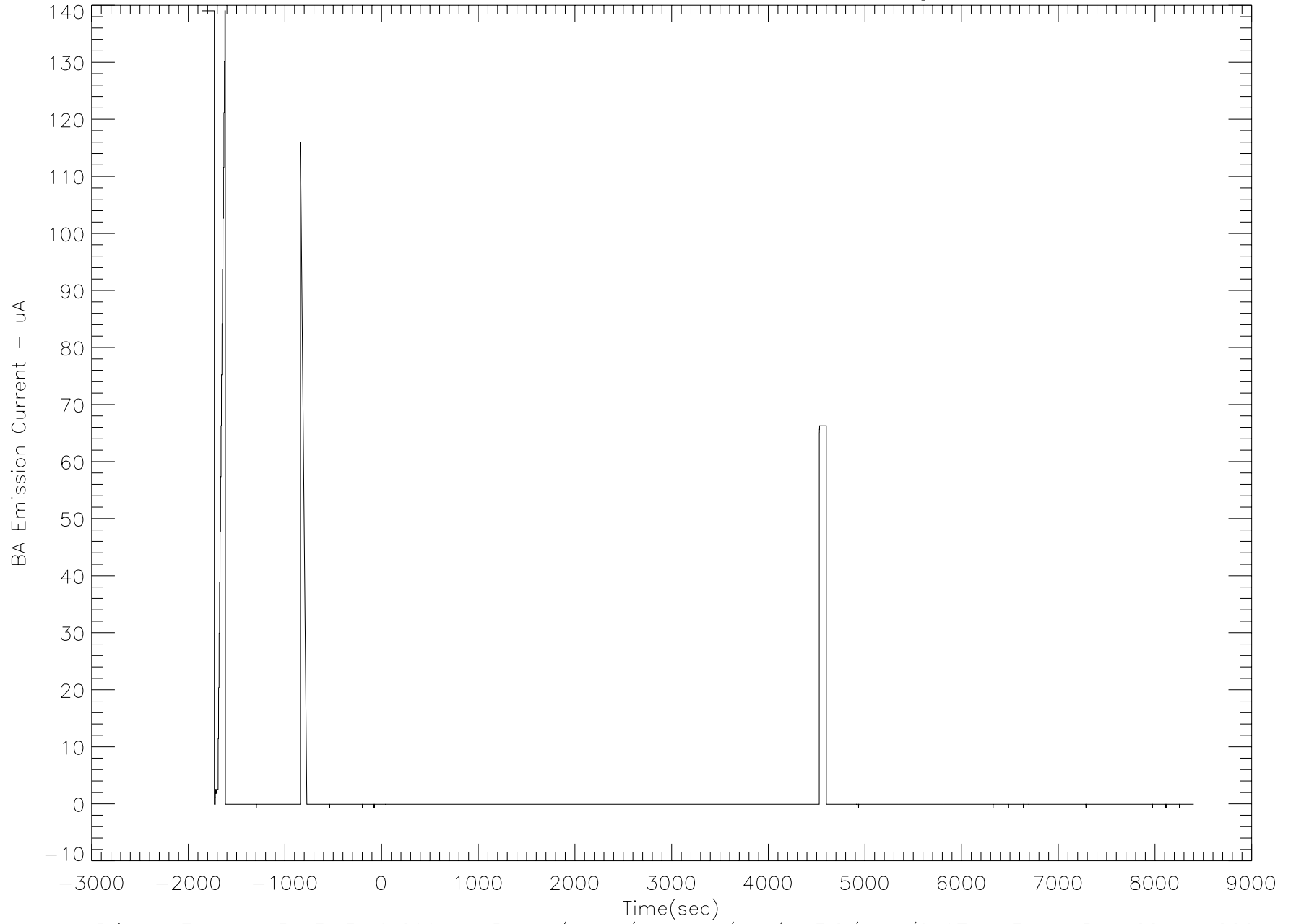
GCMS IdleA Data Value vs. Relative Time, Page 27



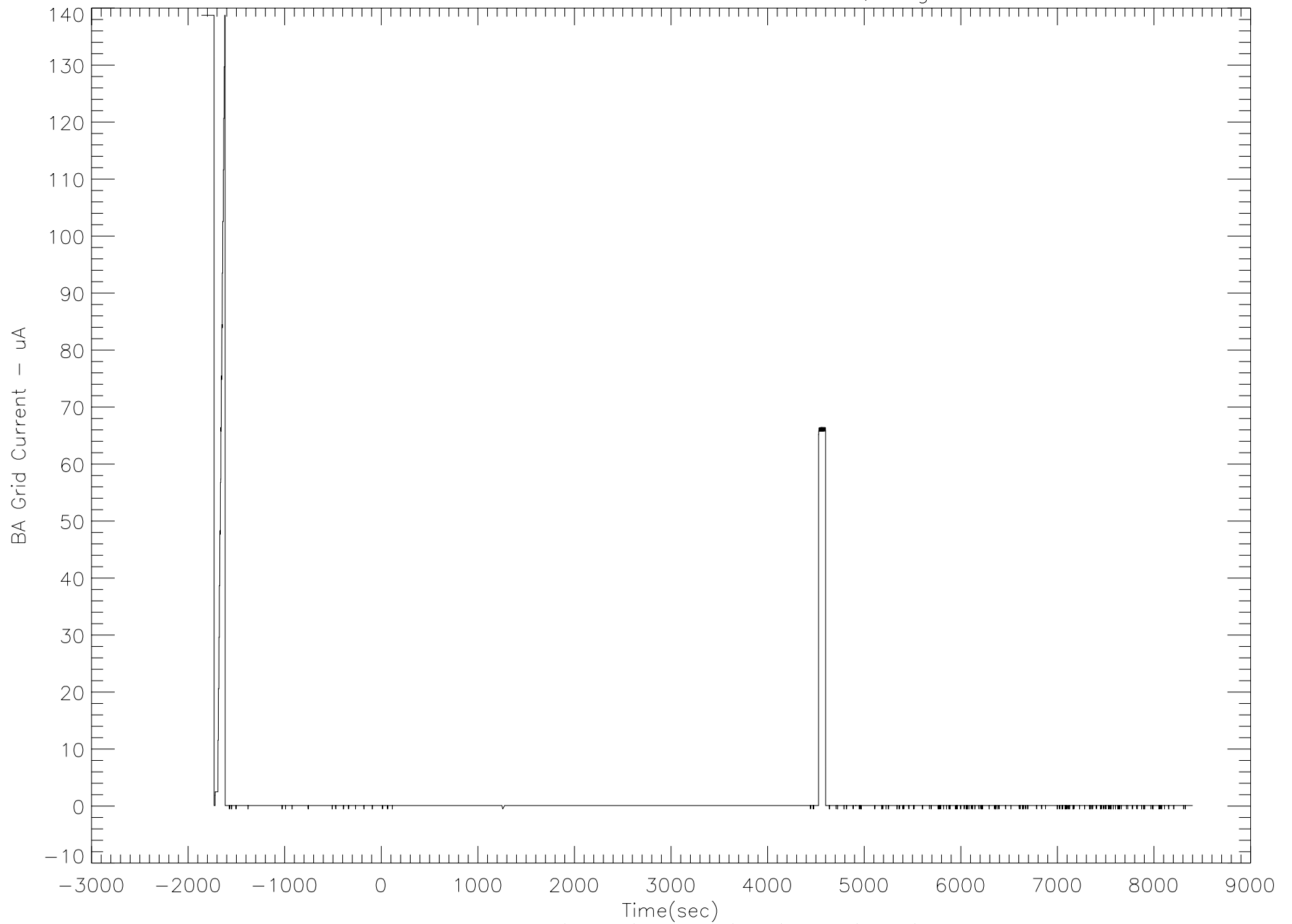
GCMS IdleA Data Value vs. Relative Time, Page 28



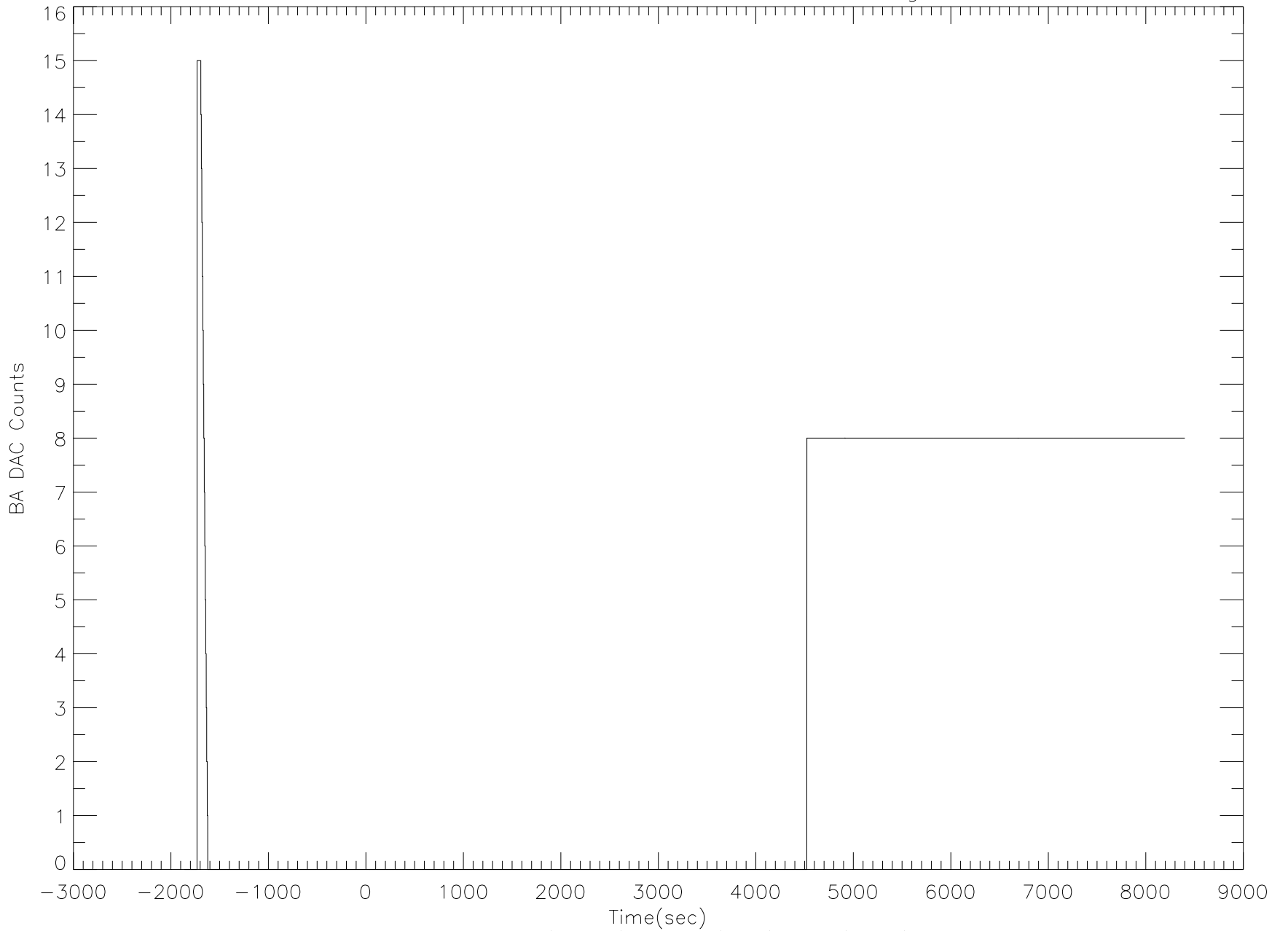
GCMS IdleA Data Value vs. Relative Time, Page 29



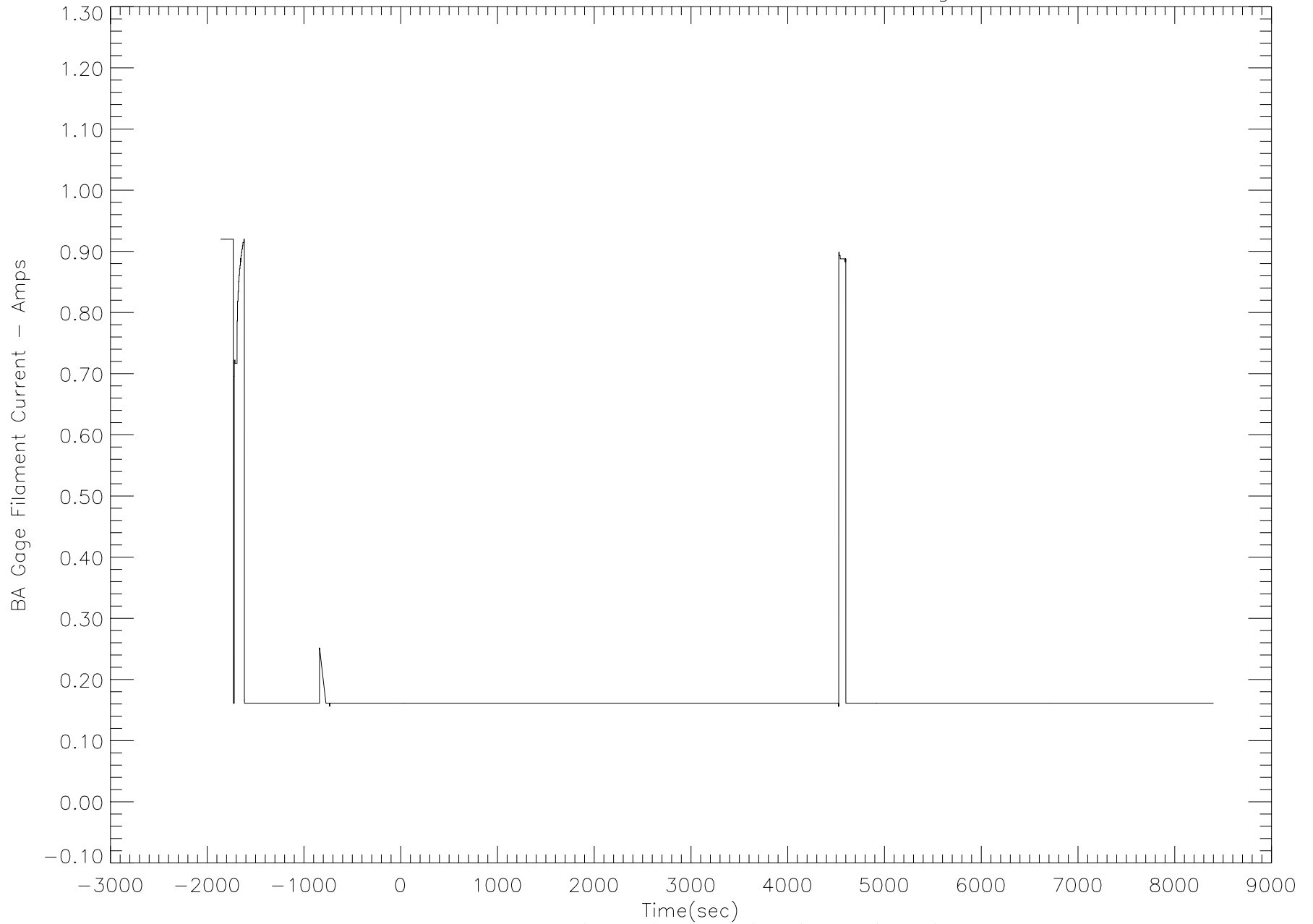
GCMS IdleA Data Value vs. Relative Time, Page 30



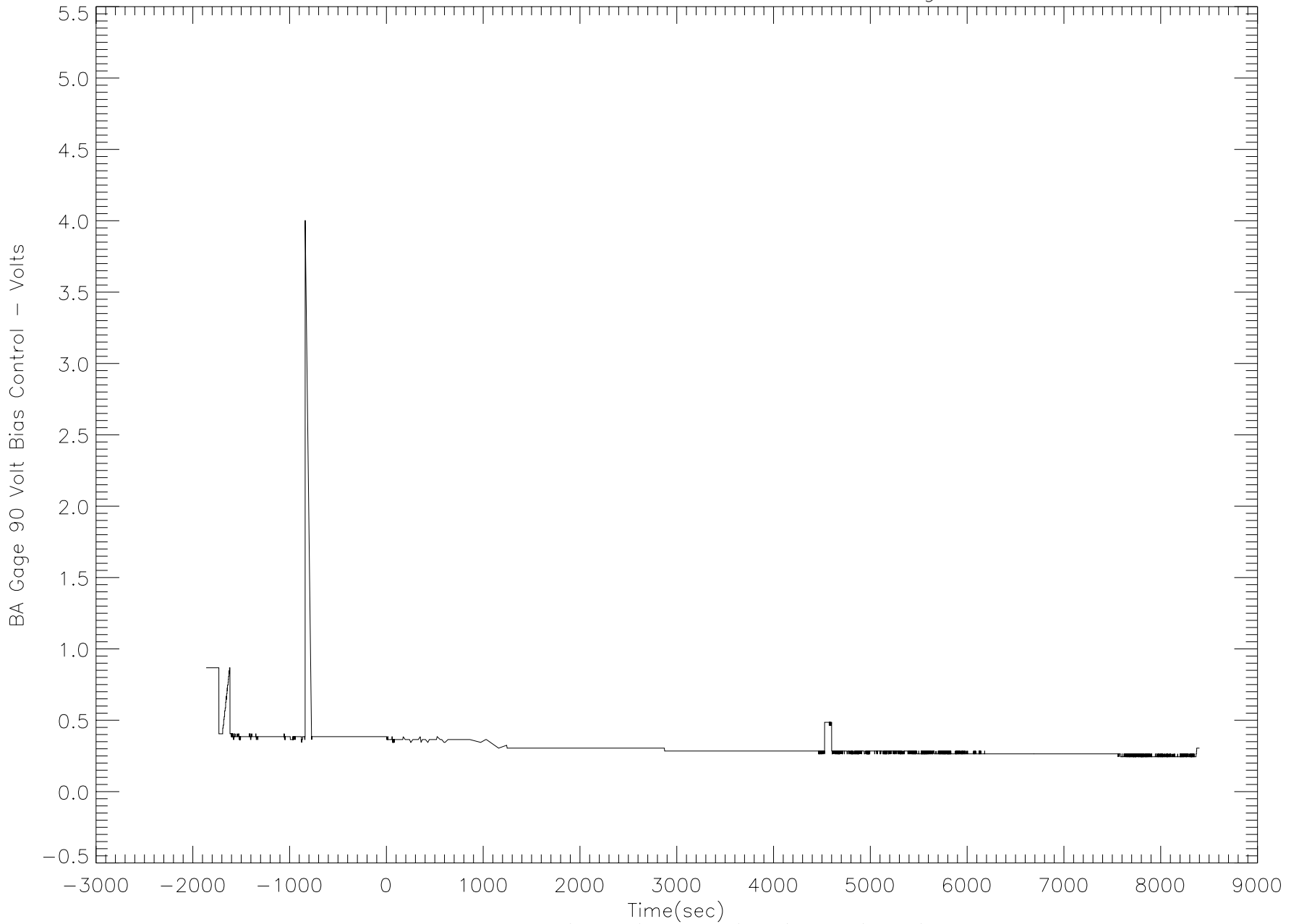
GCMS IdleA Data Value vs. Relative Time, Page 31



GCMS IdleA Data Value vs. Relative Time, Page 32

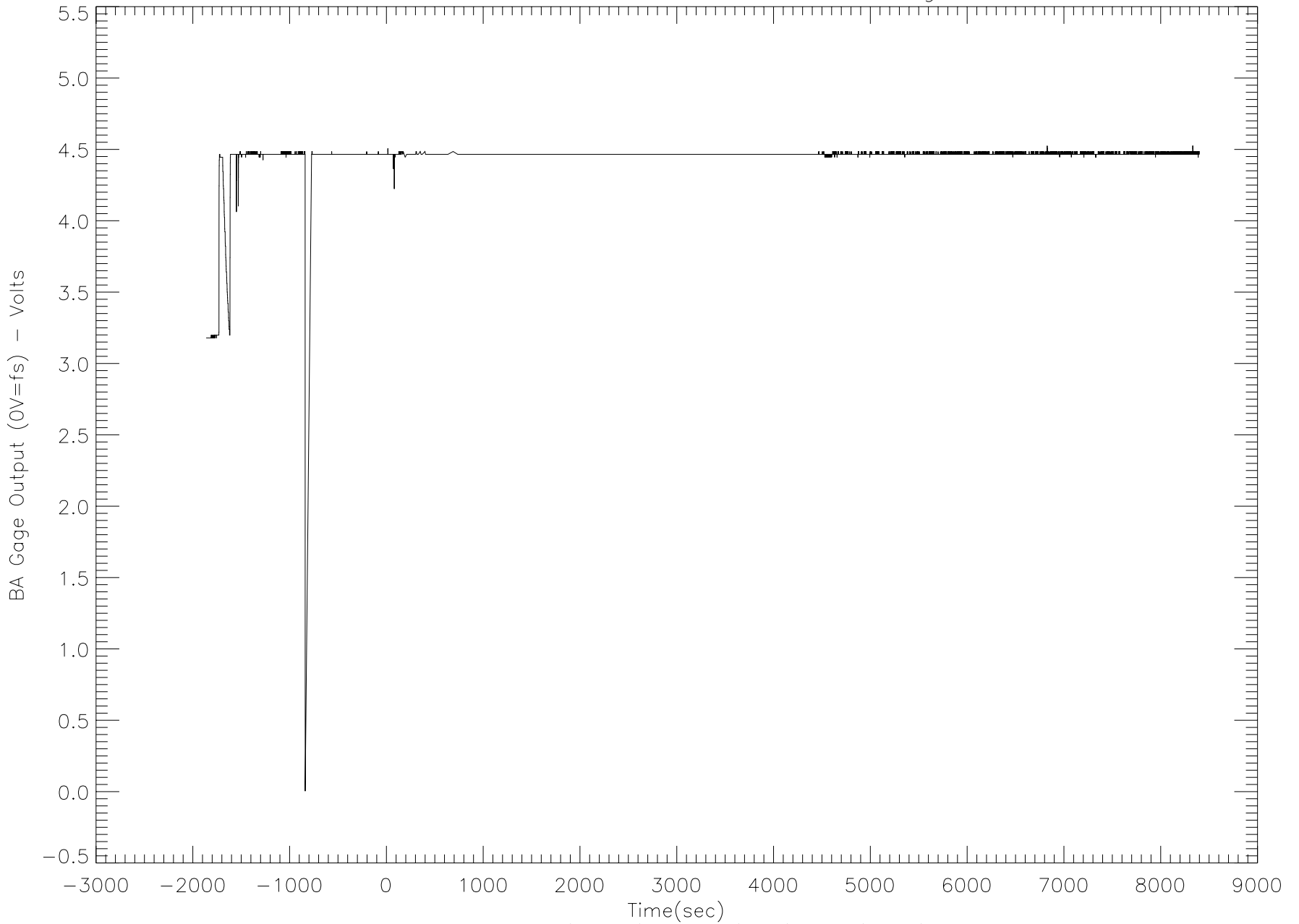


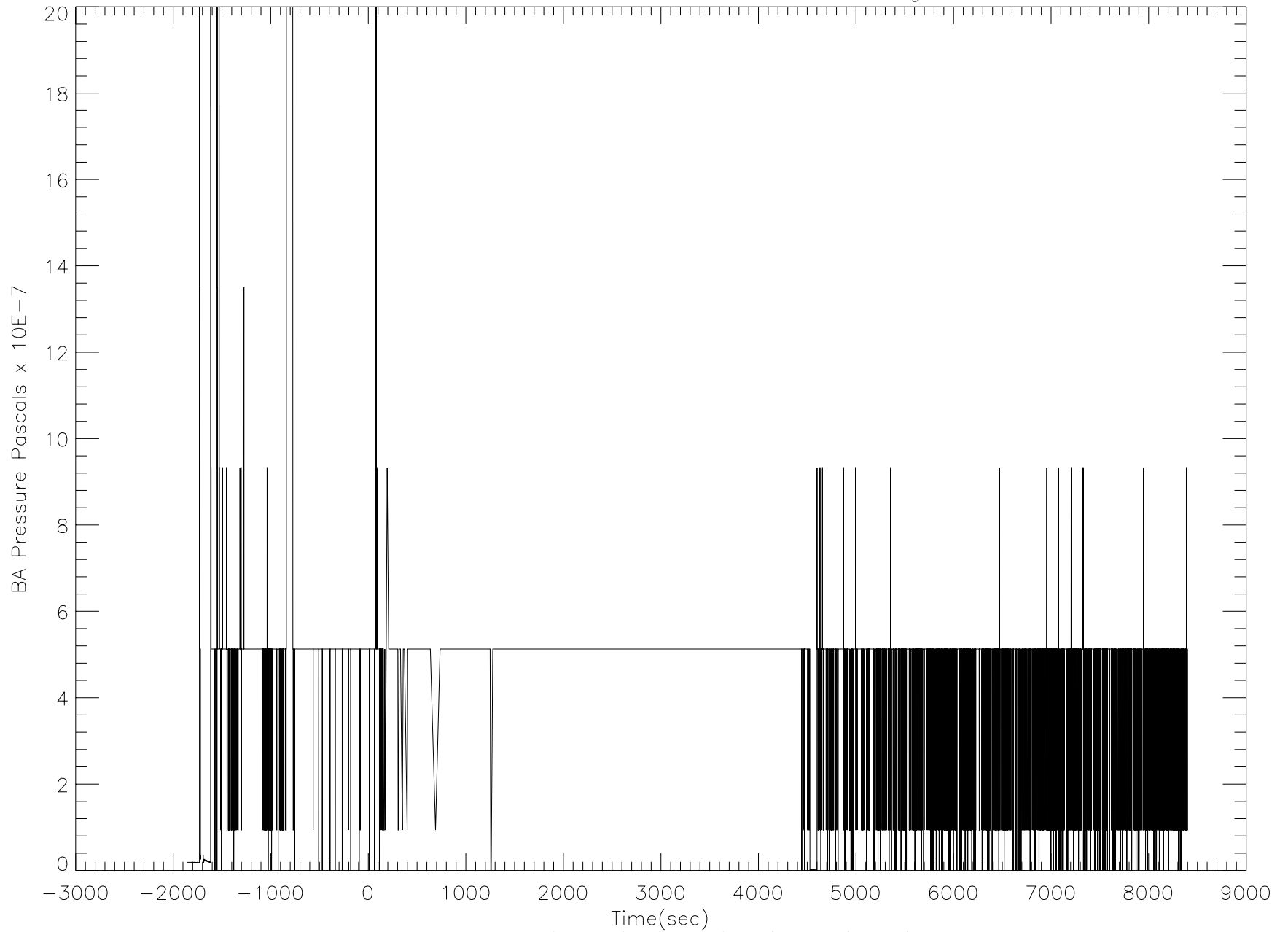
GCMS IdleA Data Value vs. Relative Time, Page 33



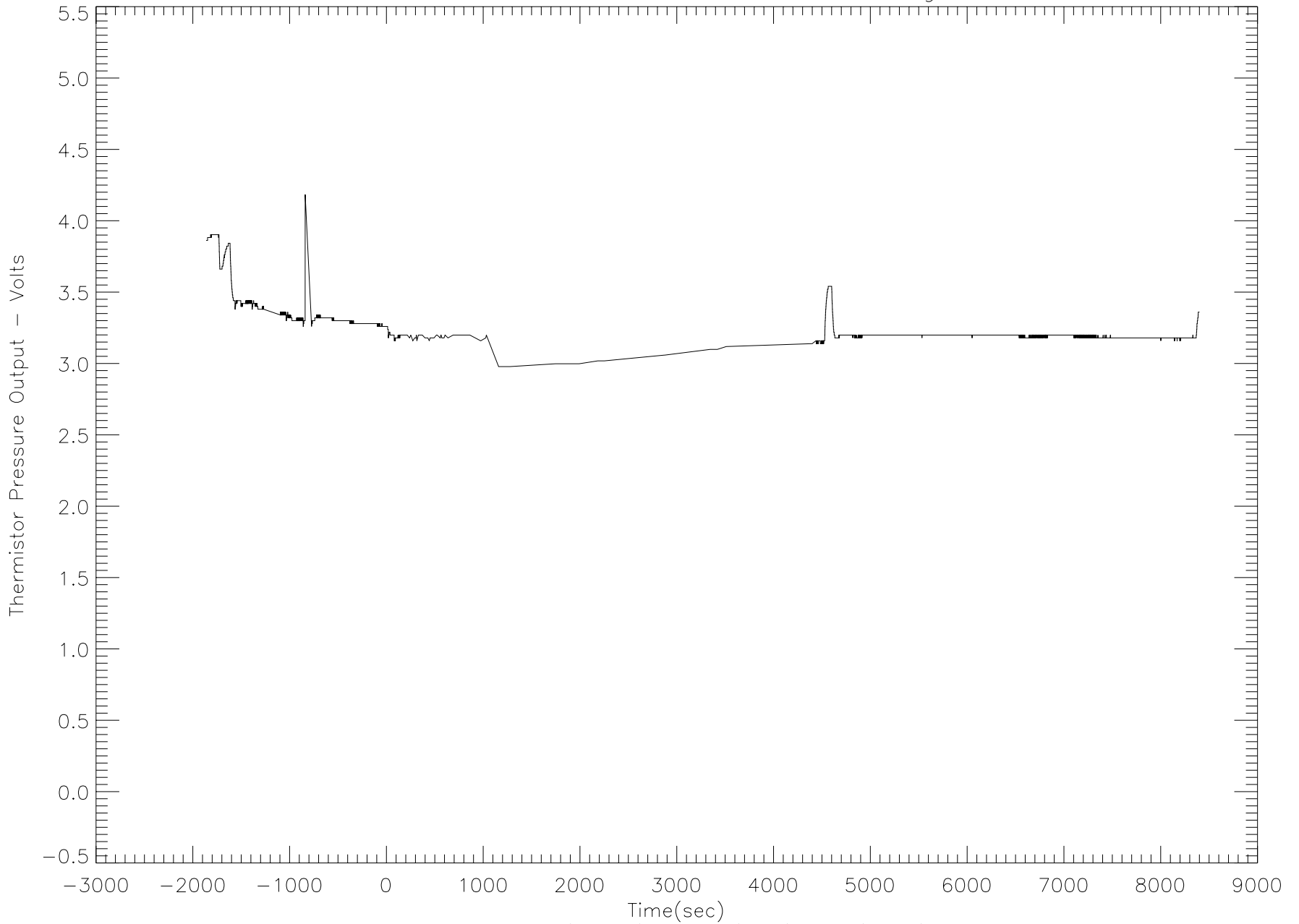


GCMS IdleA Data Value vs. Relative Time, Page 34

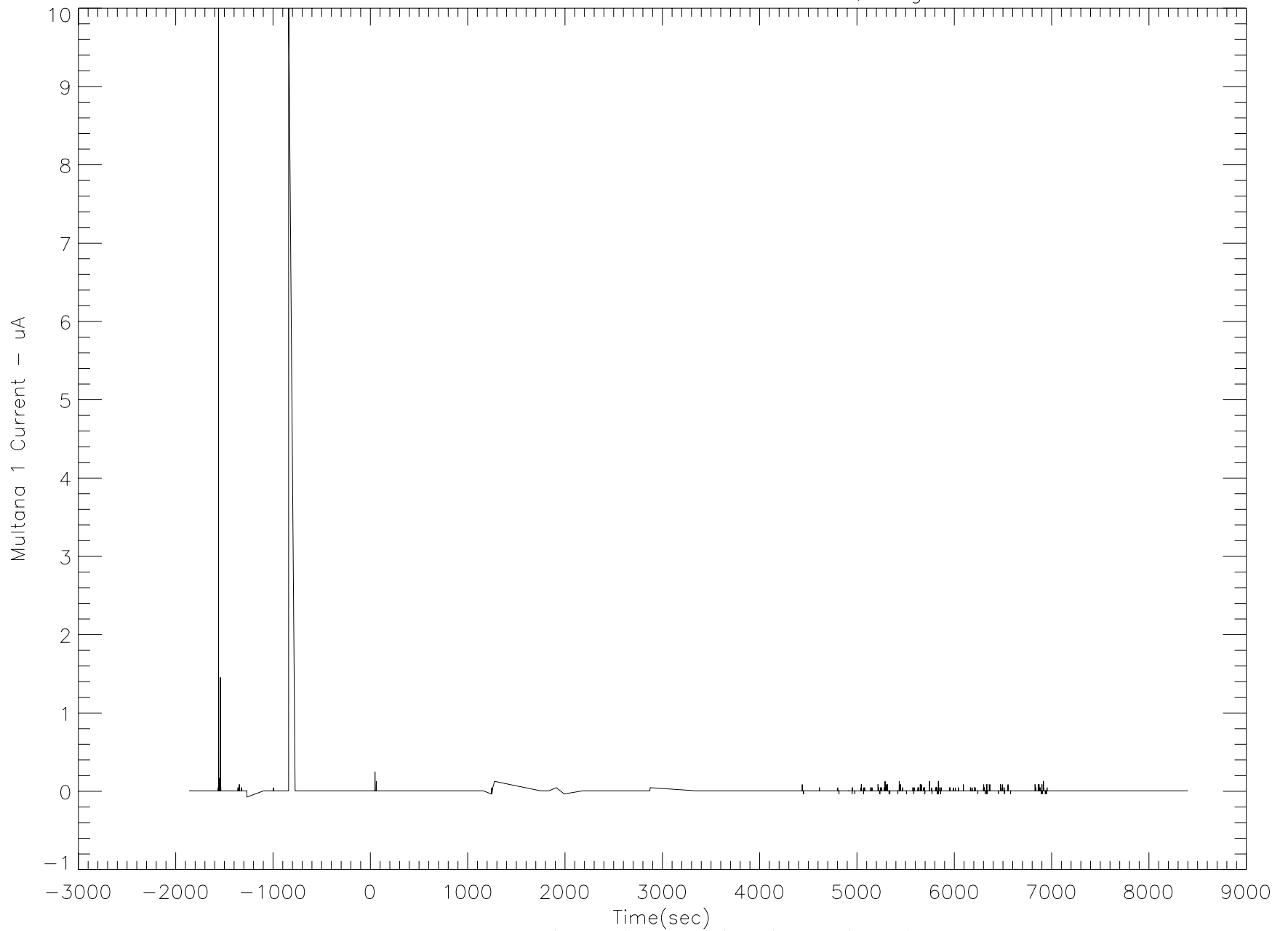




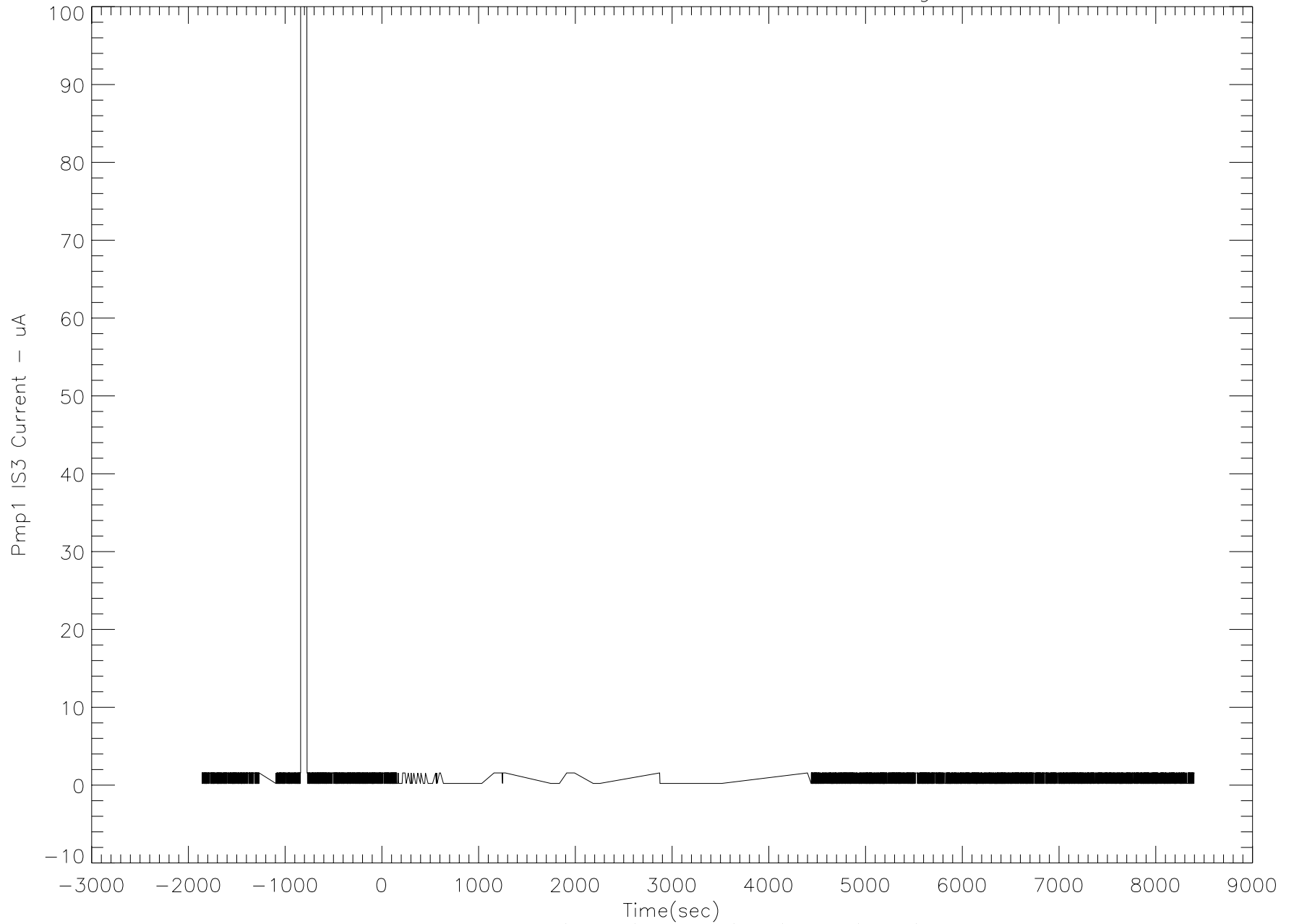
GCMS IdleA Data Value vs. Relative Time, Page 36



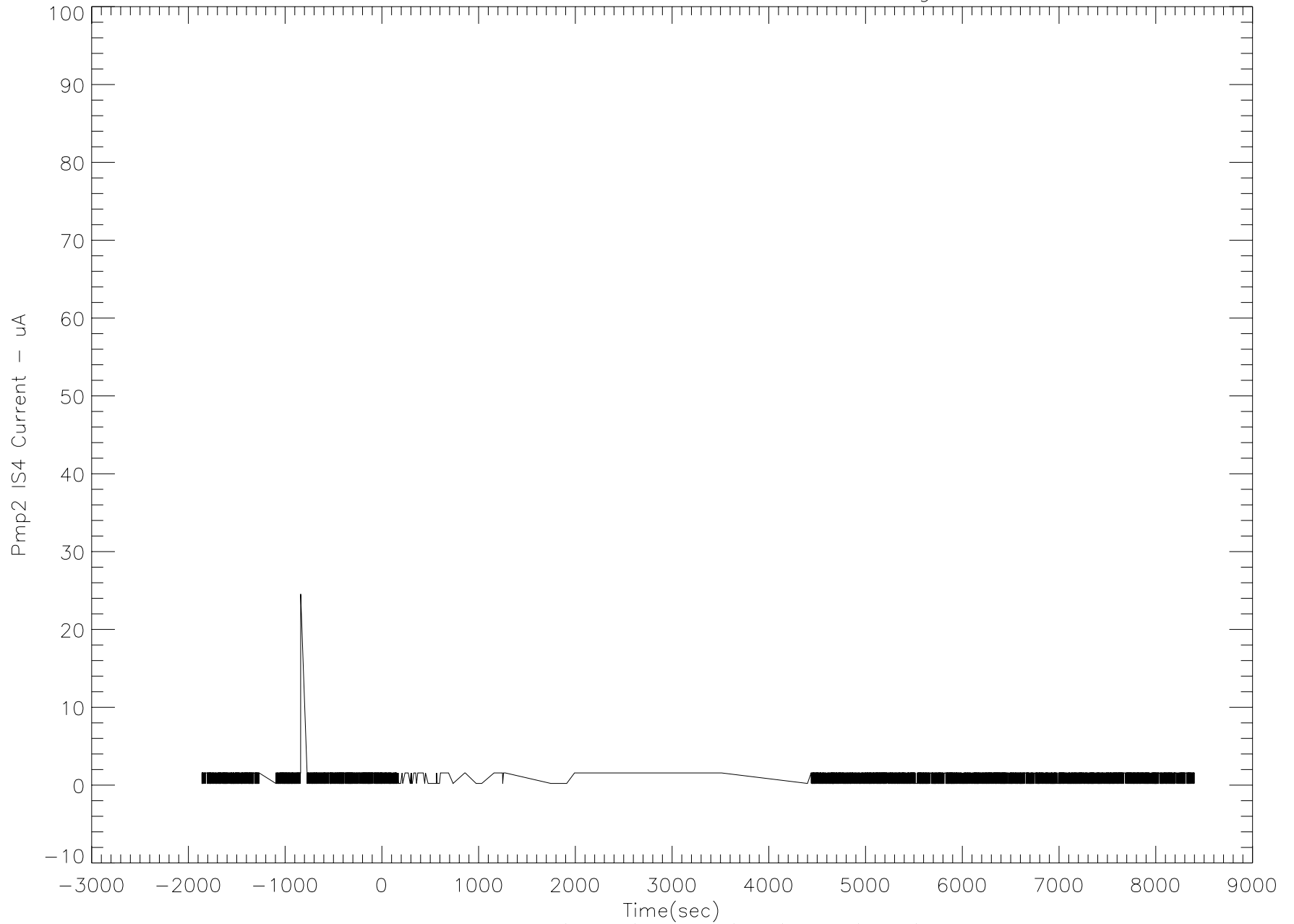
GCMS IdleA Data Value vs. Relative Time, Page 37



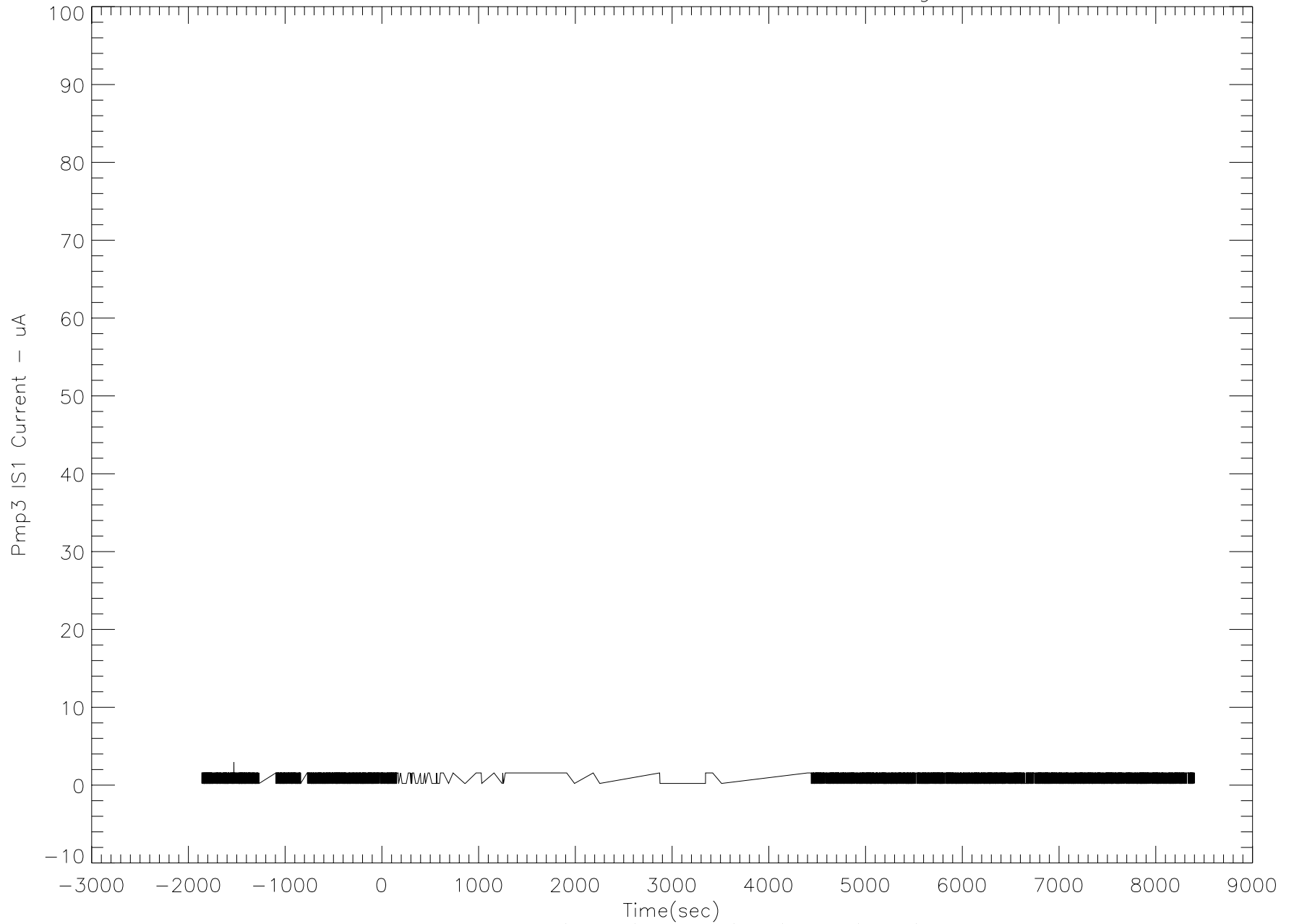
GCMS IdleA Data Value vs. Relative Time, Page 38



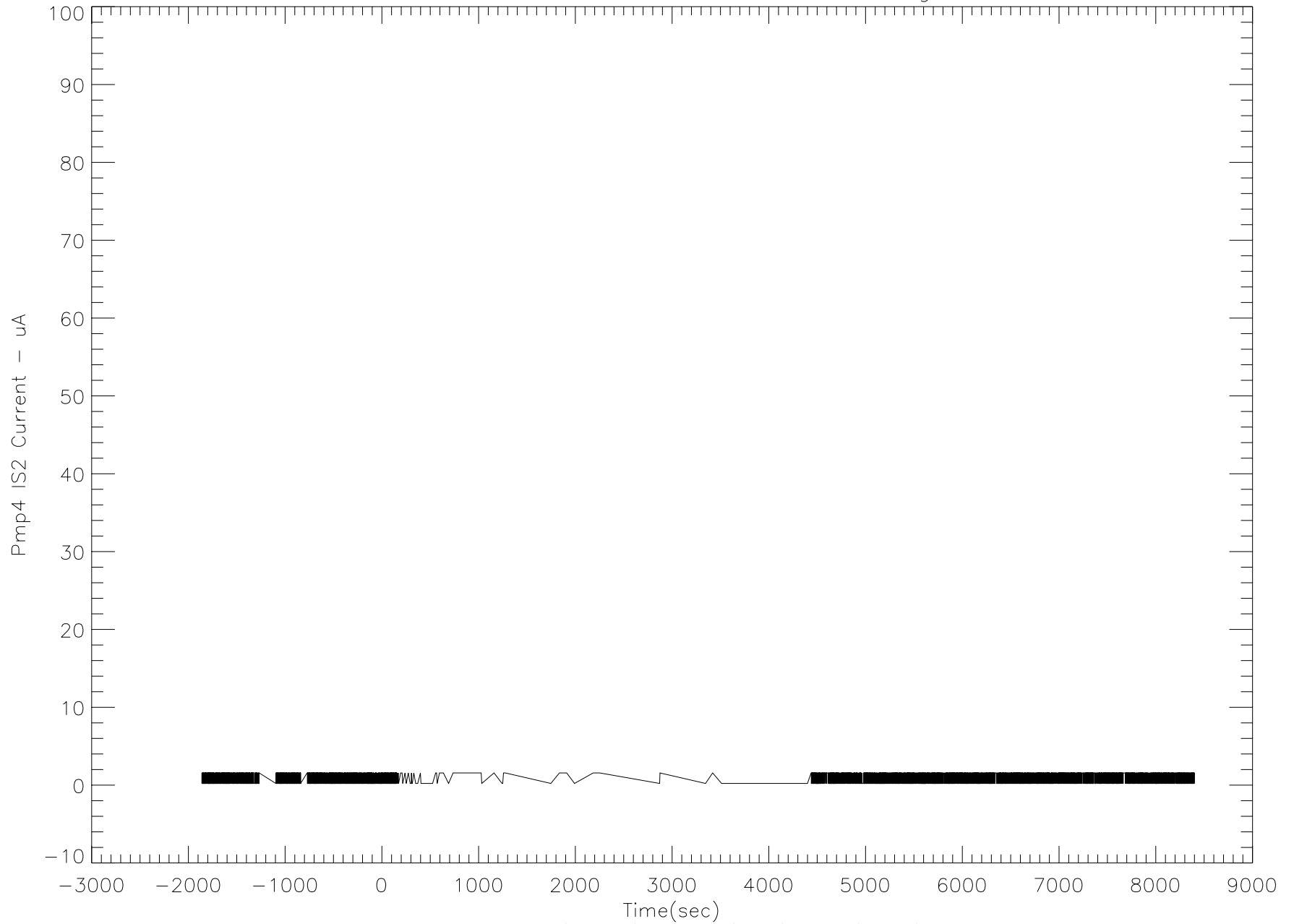
GCMS IdleA Data Value vs. Relative Time, Page 39



GCMS IdleA Data Value vs. Relative Time, Page 40

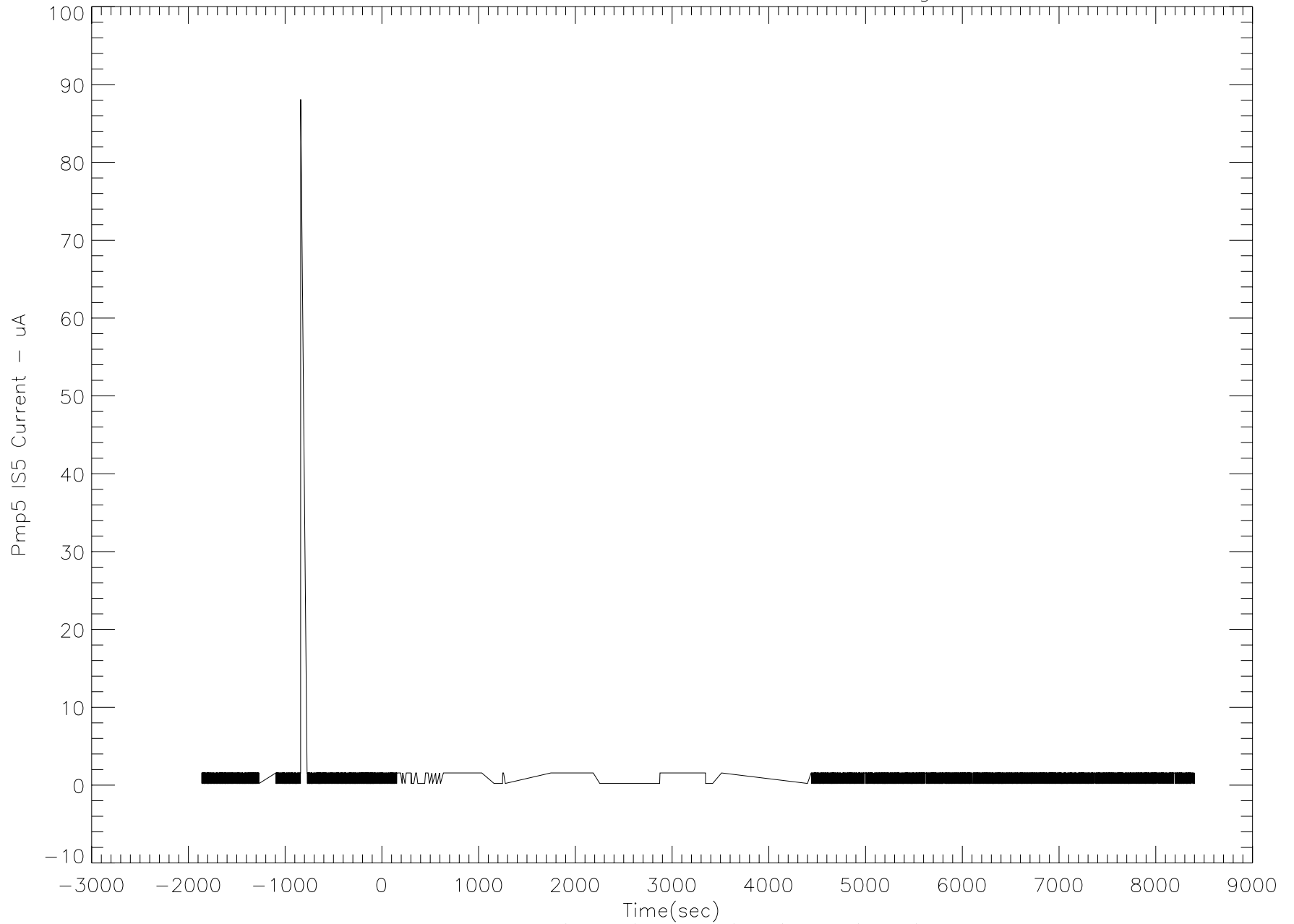


GCMS IdleA Data Value vs. Relative Time, Page 41

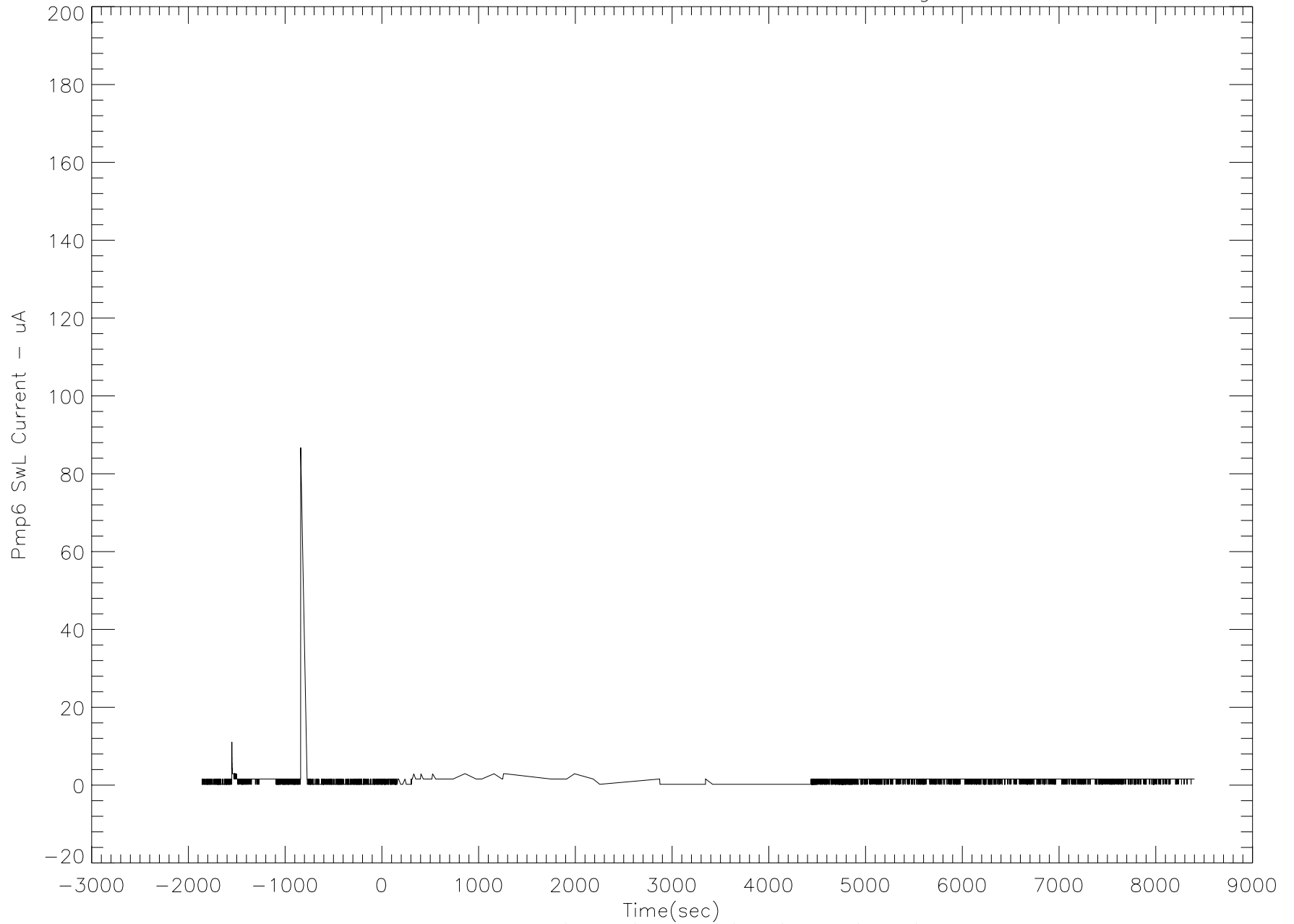




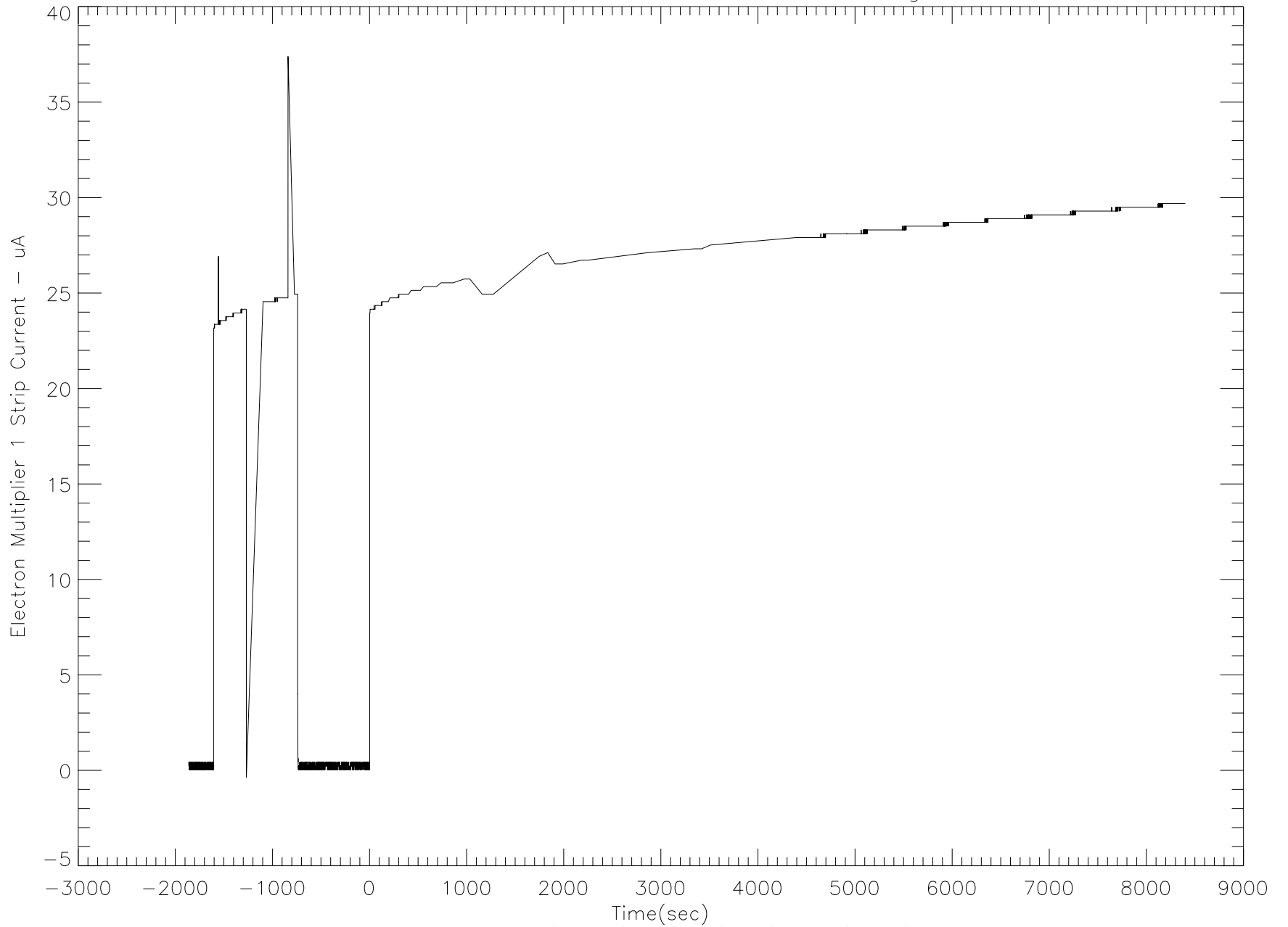
GCMS IdleA Data Value vs. Relative Time, Page 42



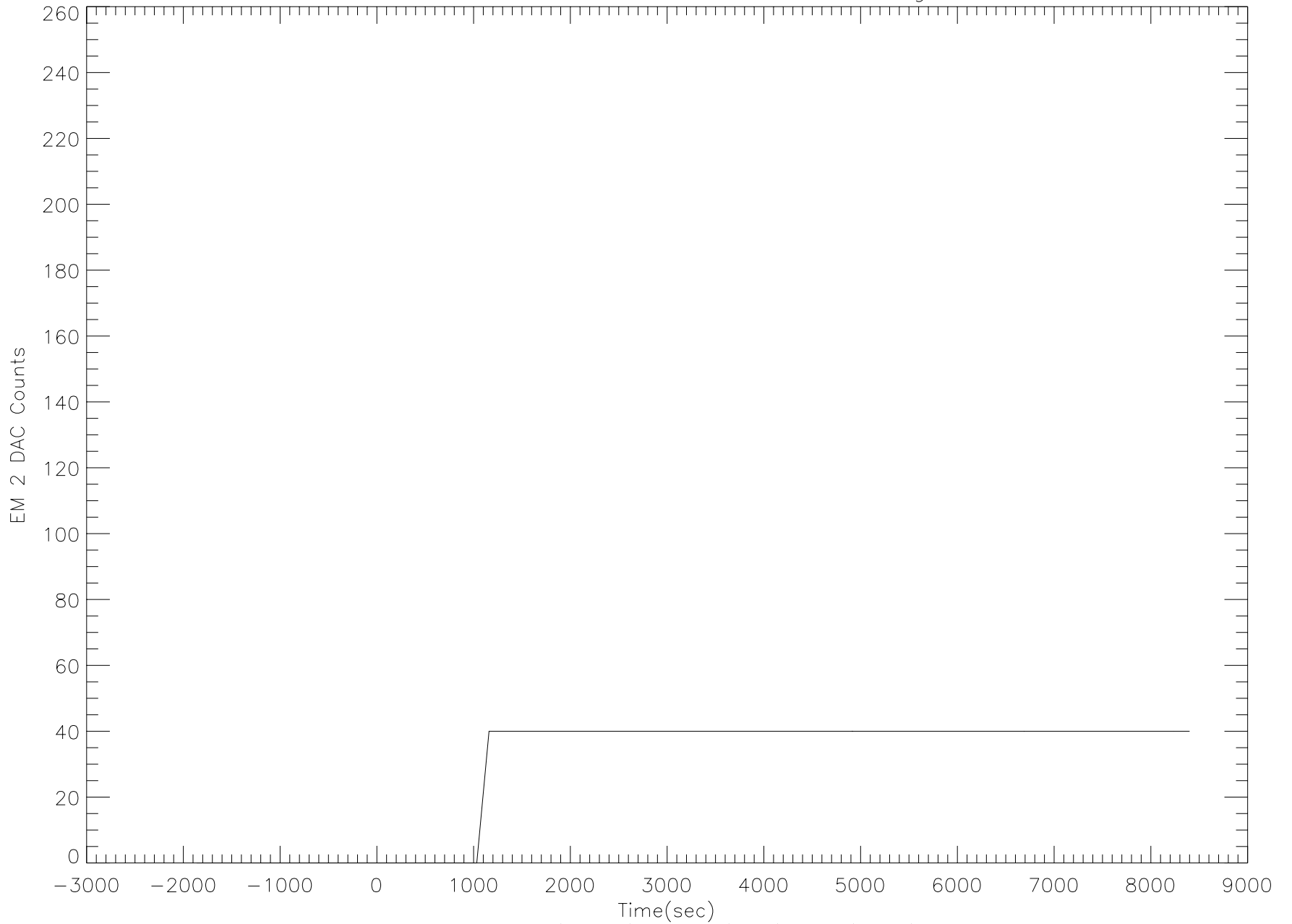
GCMS IdleA Data Value vs. Relative Time, Page 43



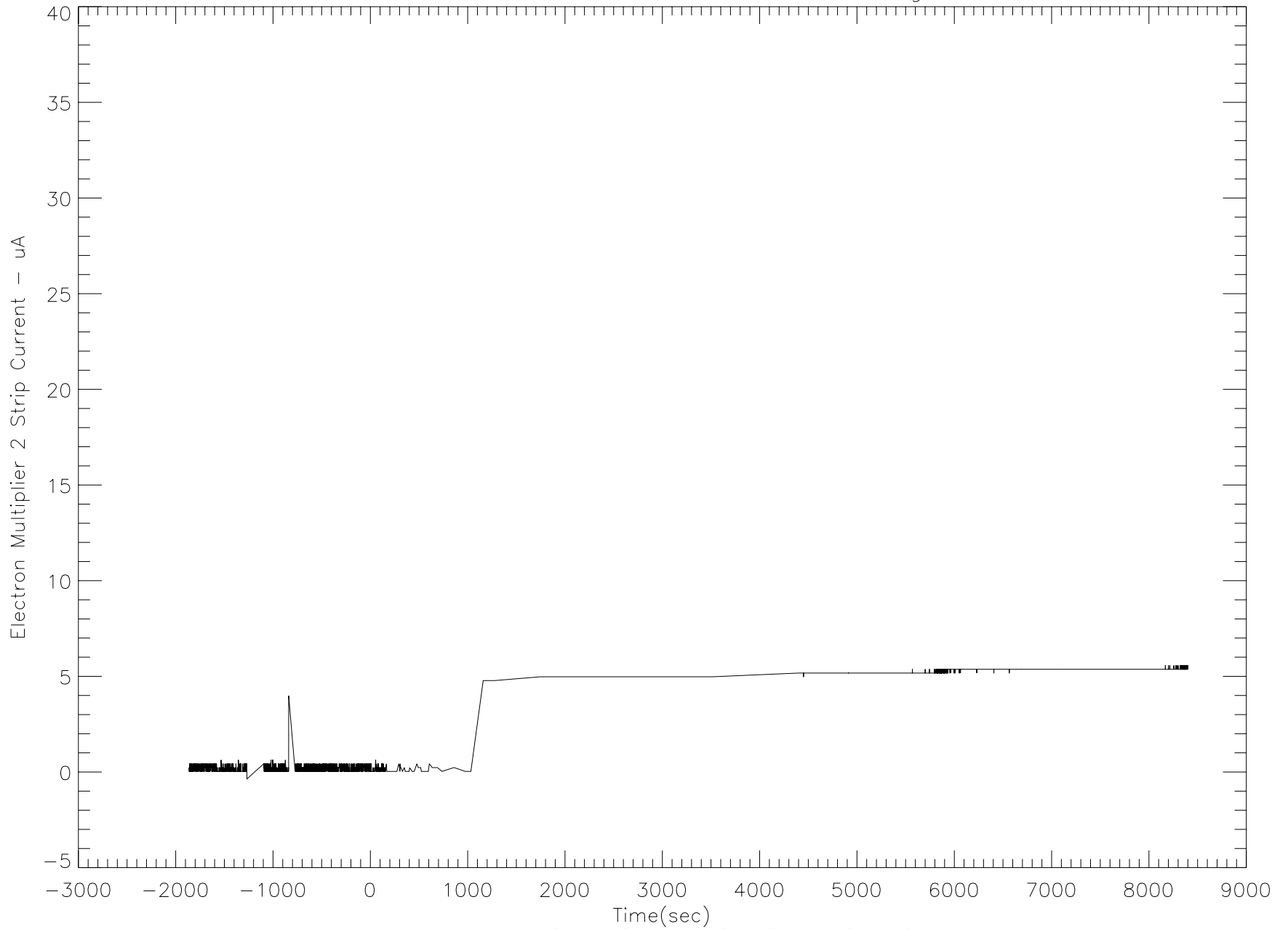
GCMS IdleA Data Value vs. Relative Time, Page 44



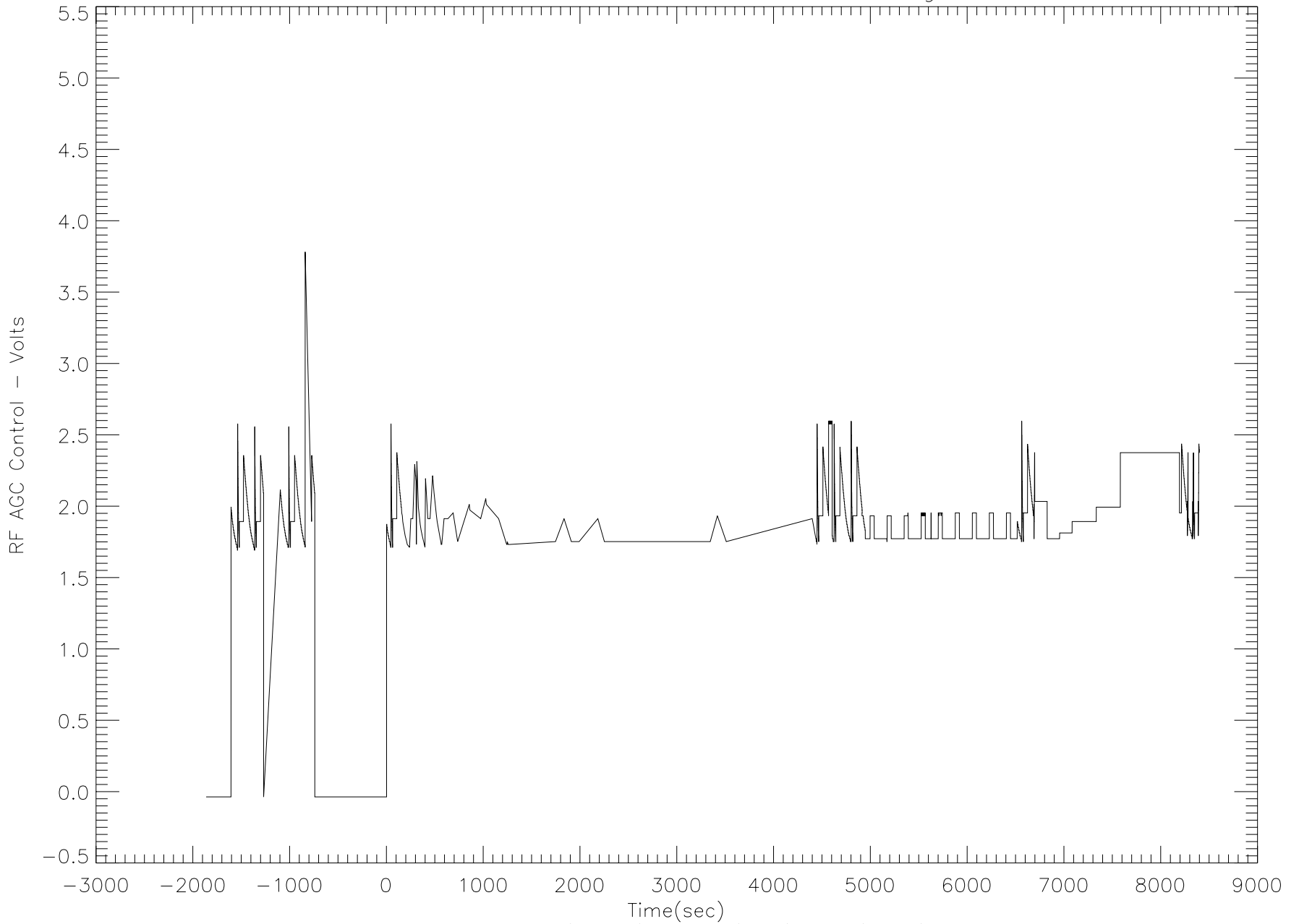
GCMS IdleA Data Value vs. Relative Time, Page 45



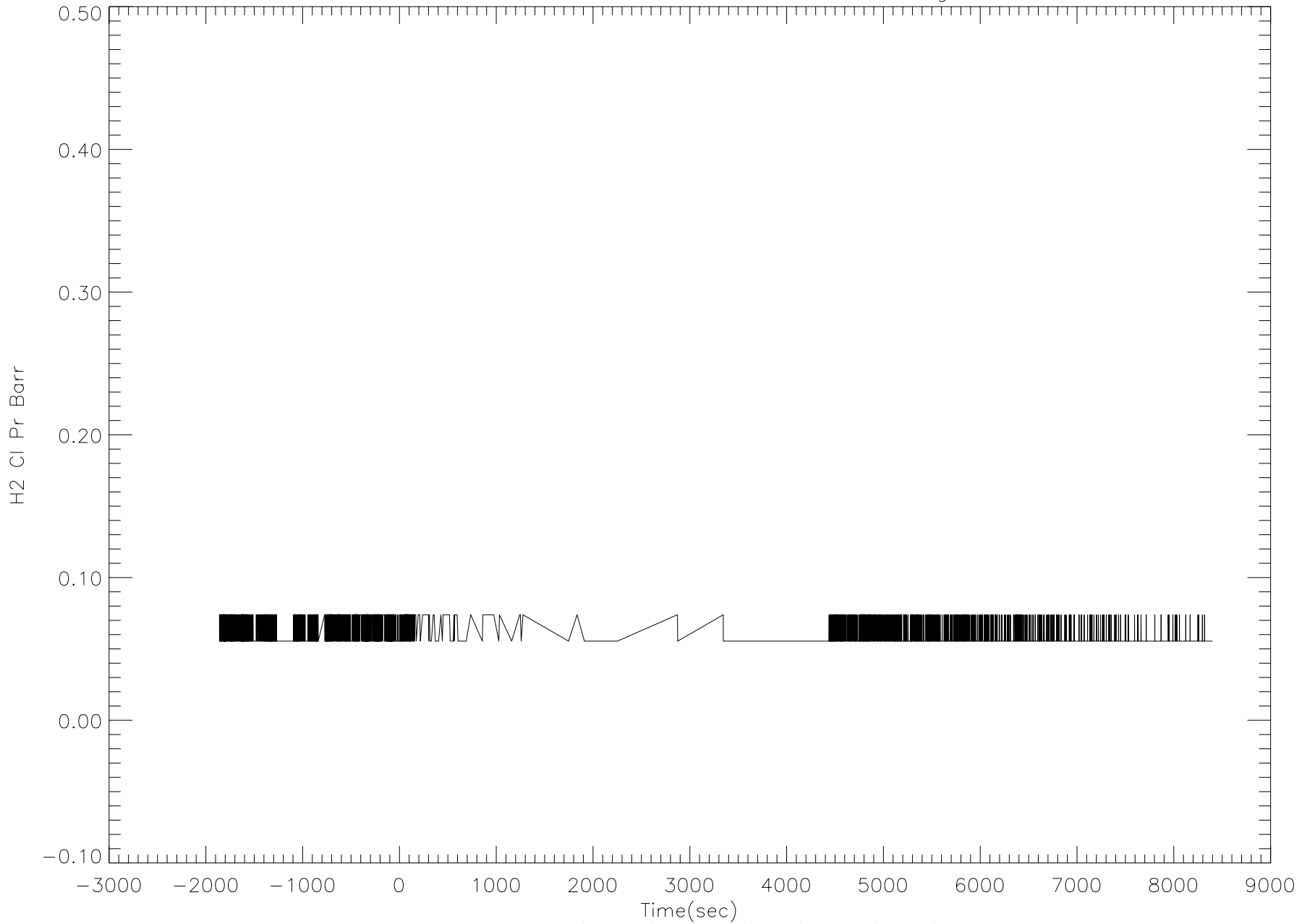
GCMS IdleA Data Value vs. Relative Time, Page 46



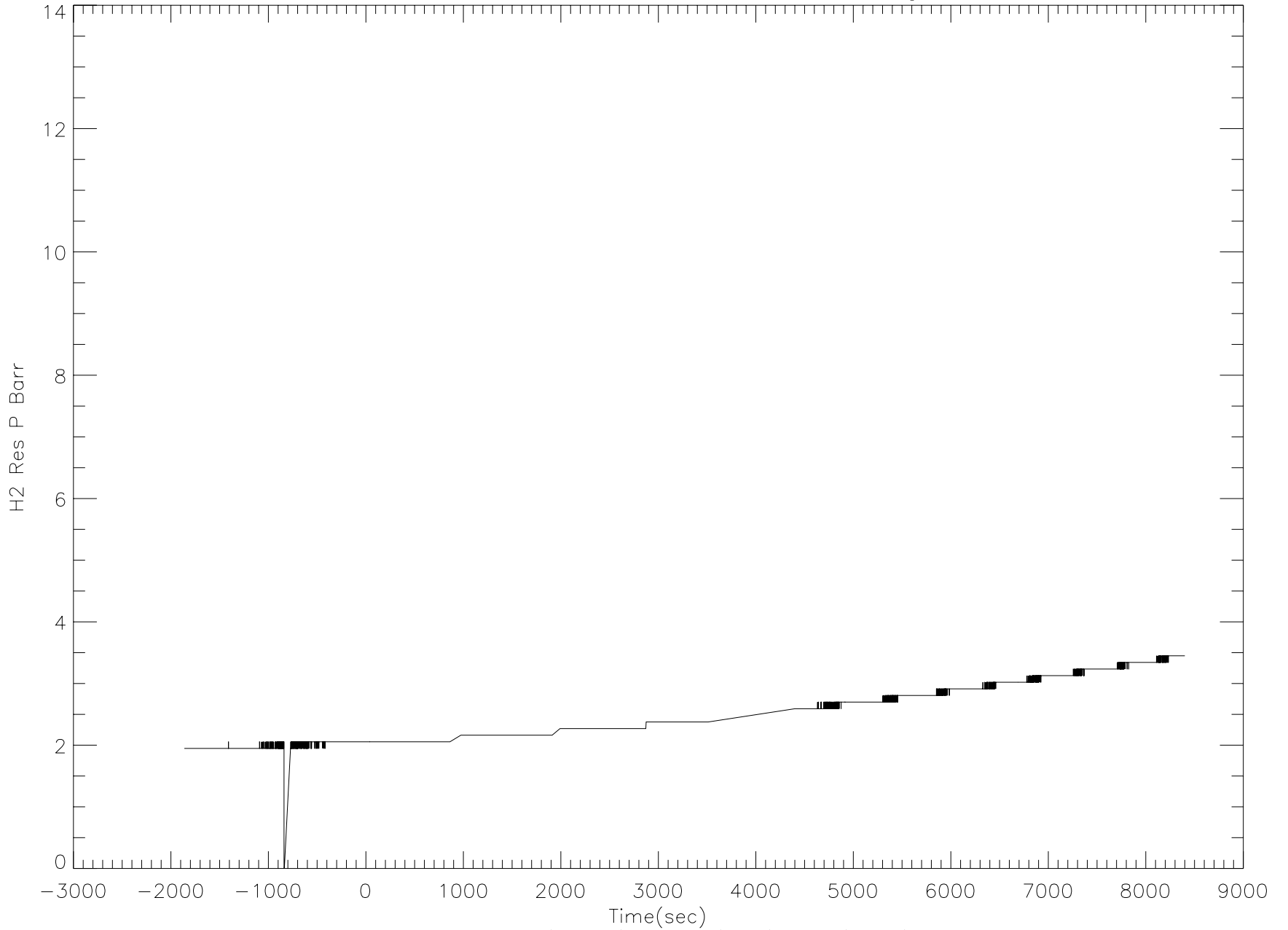
GCMS IdleA Data Value vs. Relative Time, Page 47



GCMS IdleA Data Value vs. Relative Time, Page 48

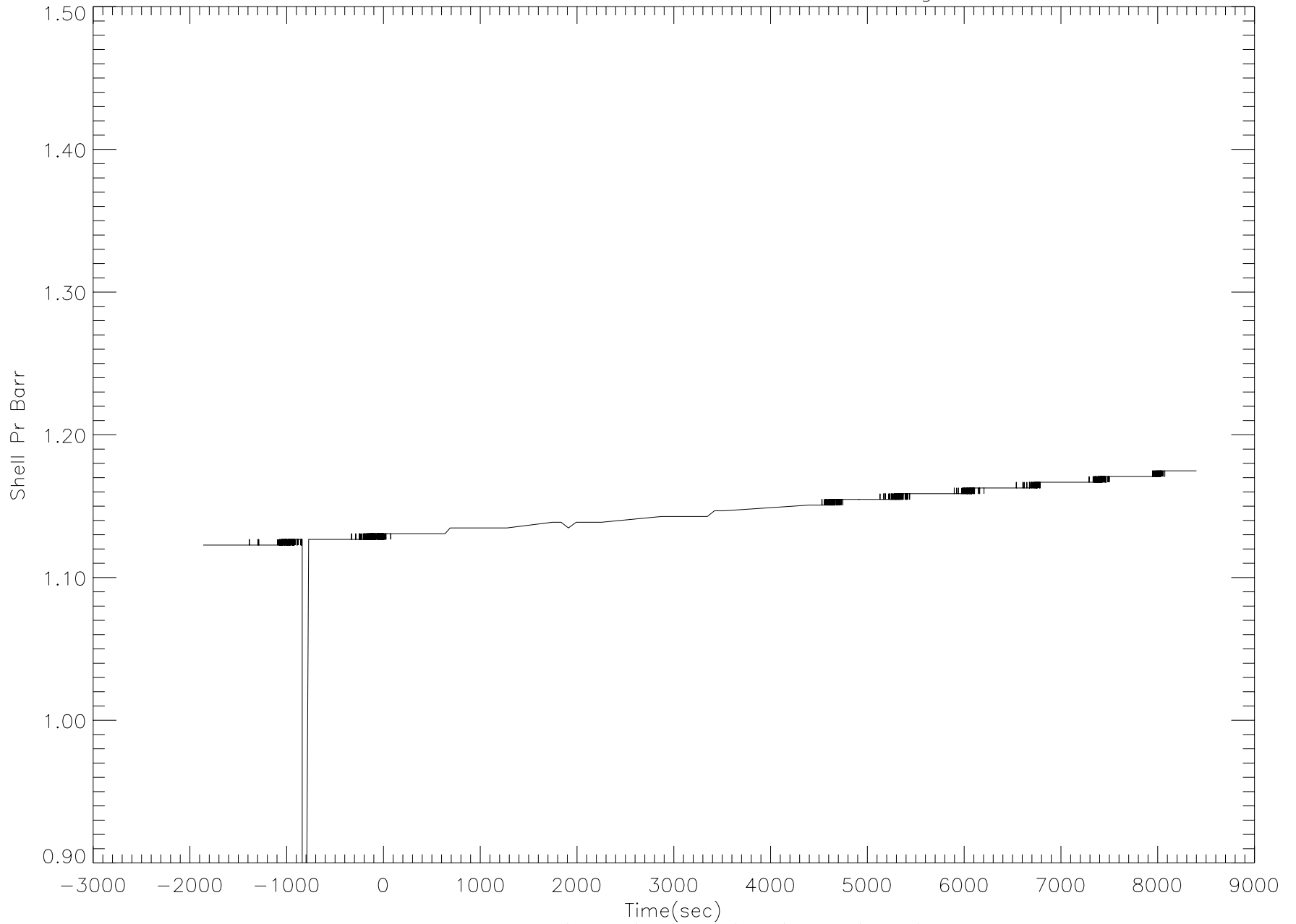


GCMS IdleA Data Value vs. Relative Time, Page 49

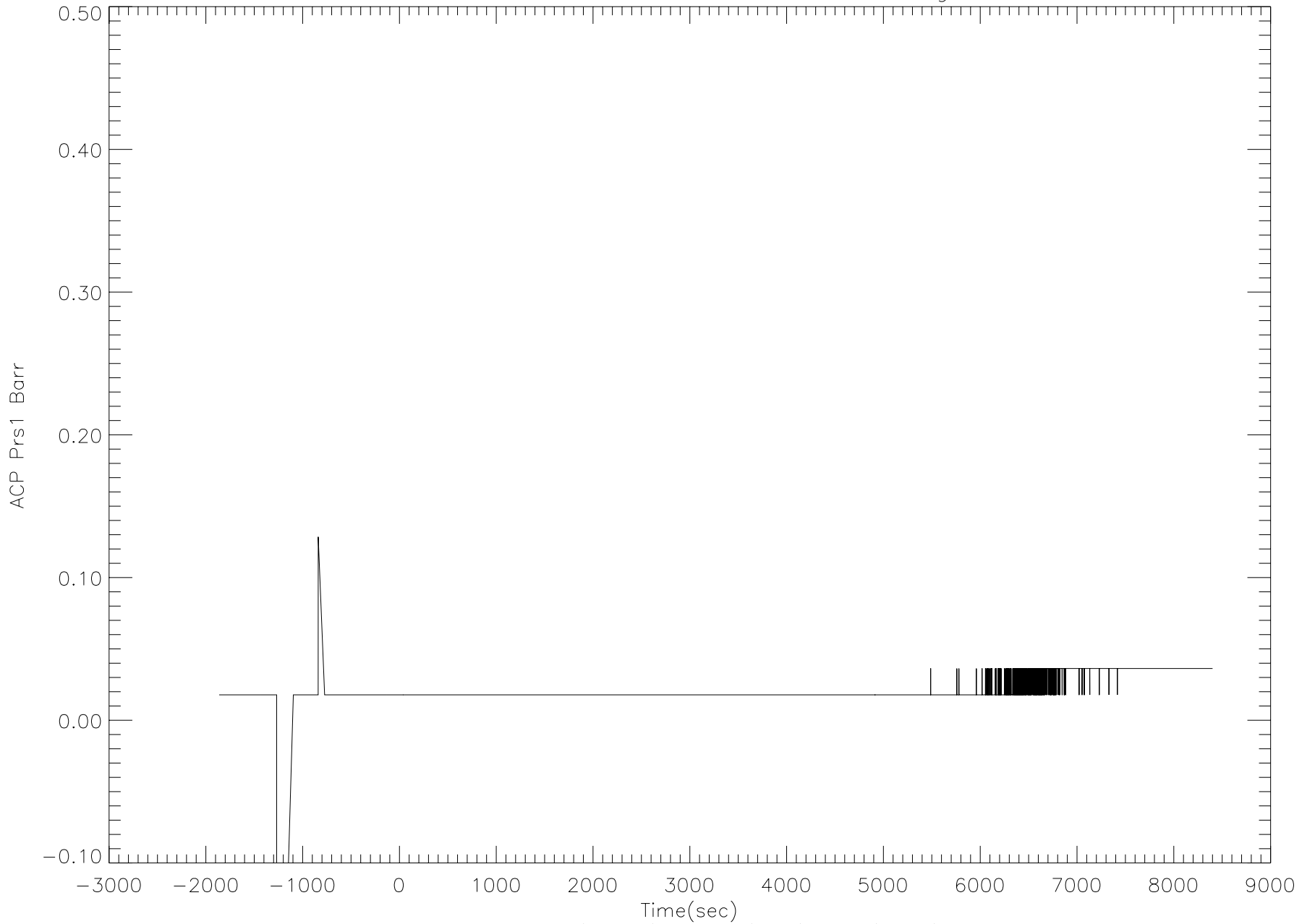




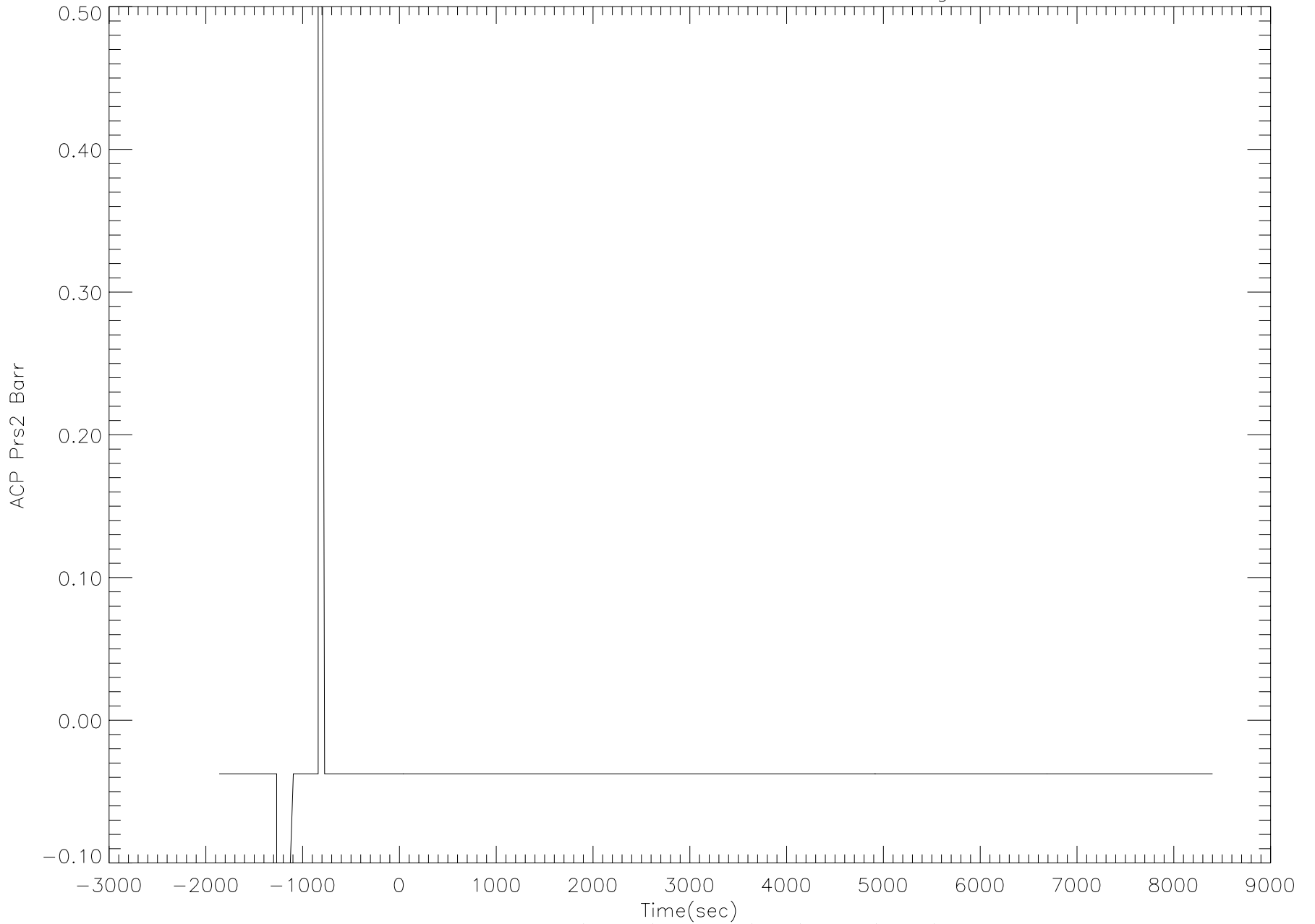
GCMS IdleA Data Value vs. Relative Time, Page 50



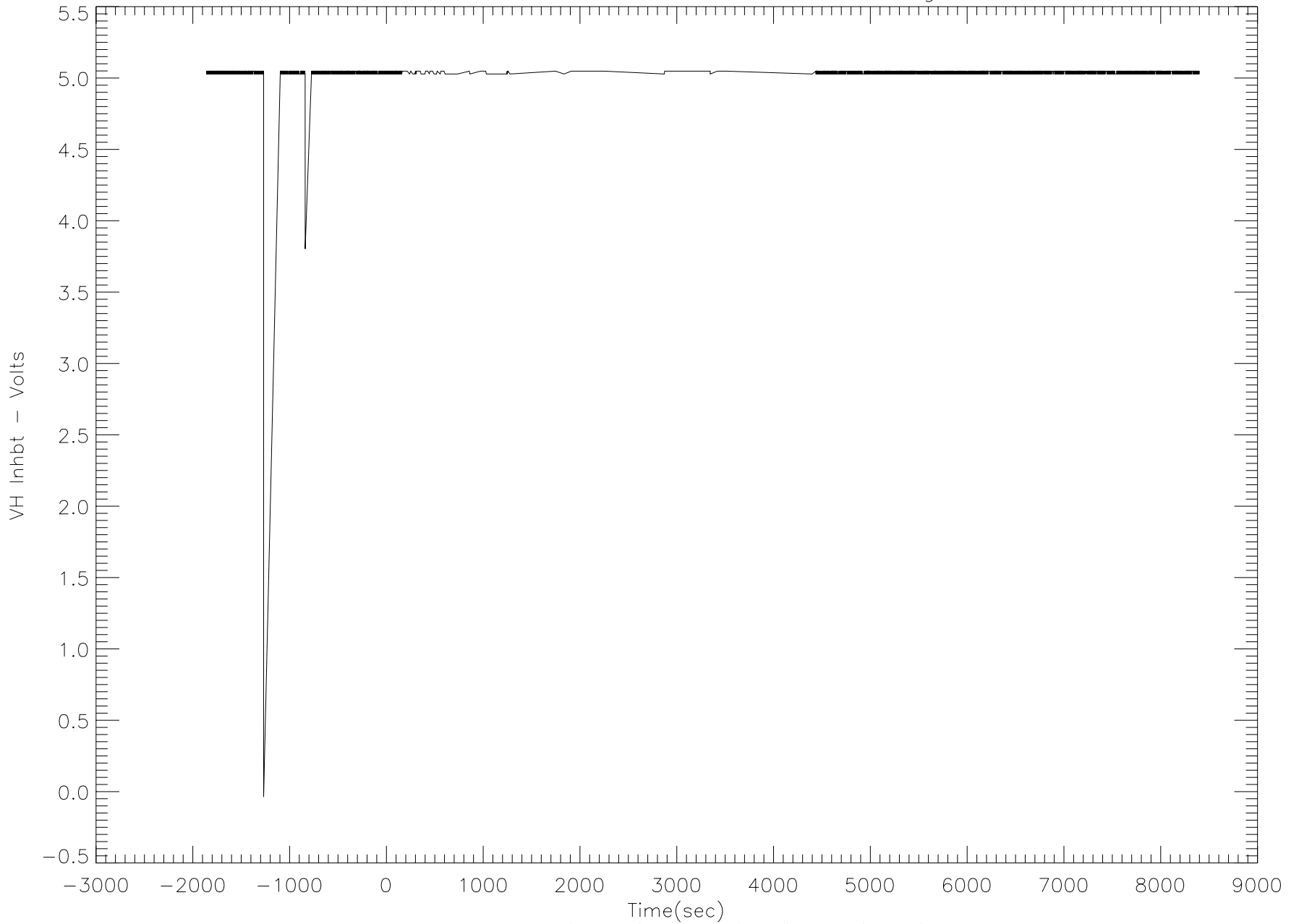
GCMS IdleA Data Value vs. Relative Time, Page 51



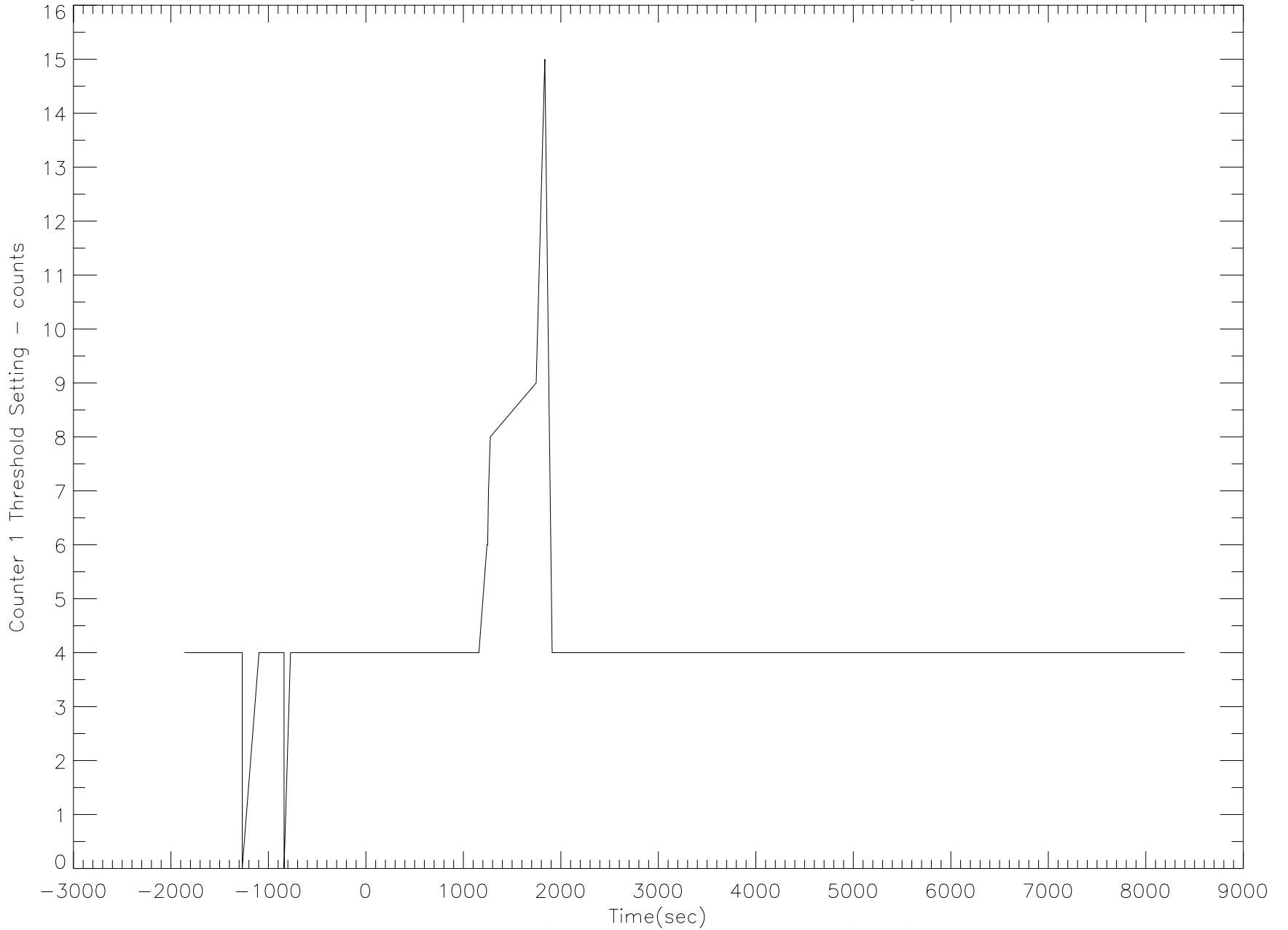
GCMS IdleA Data Value vs. Relative Time, Page 52



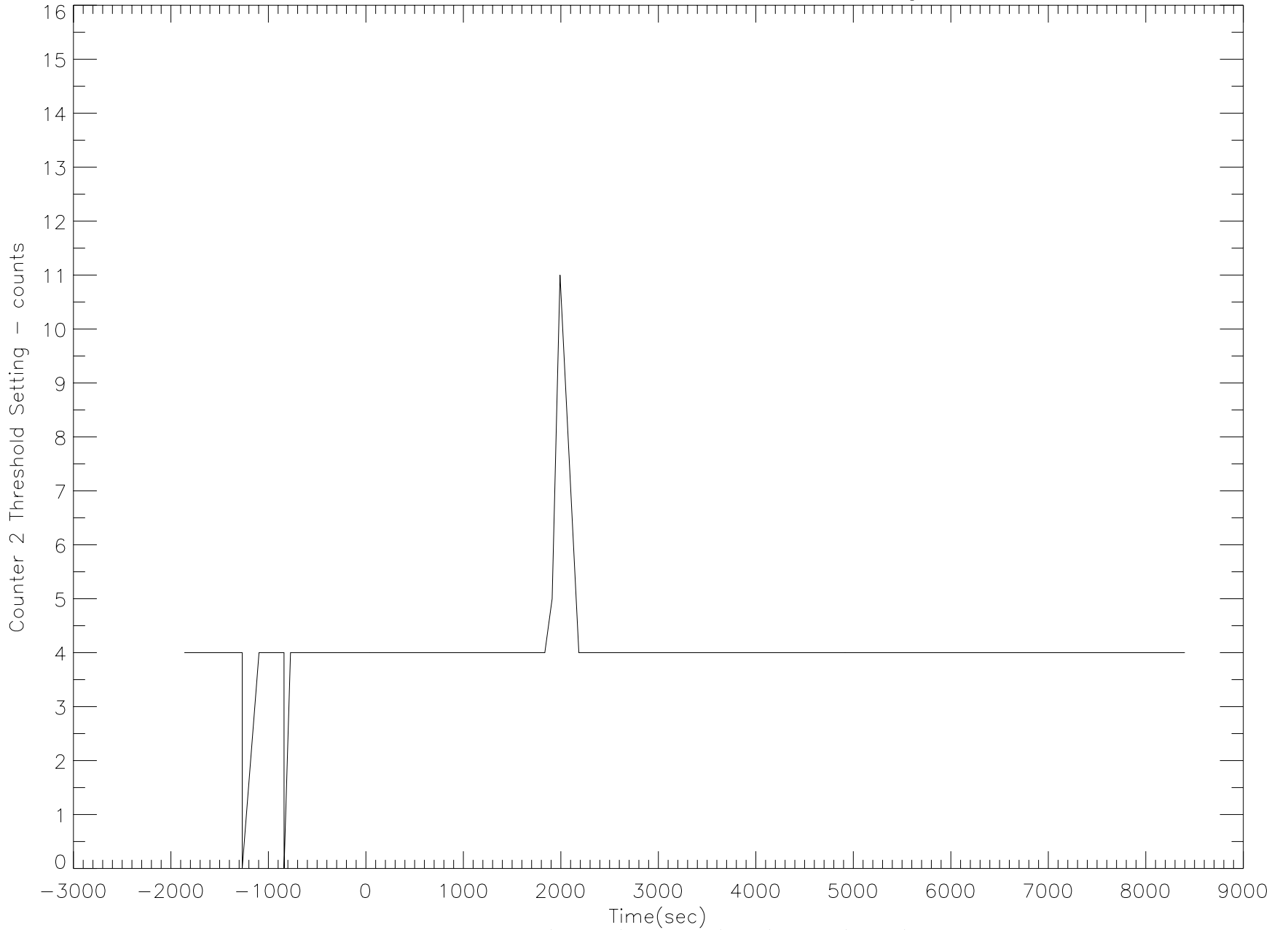
GCMS IdleA Data Value vs. Relative Time, Page 53



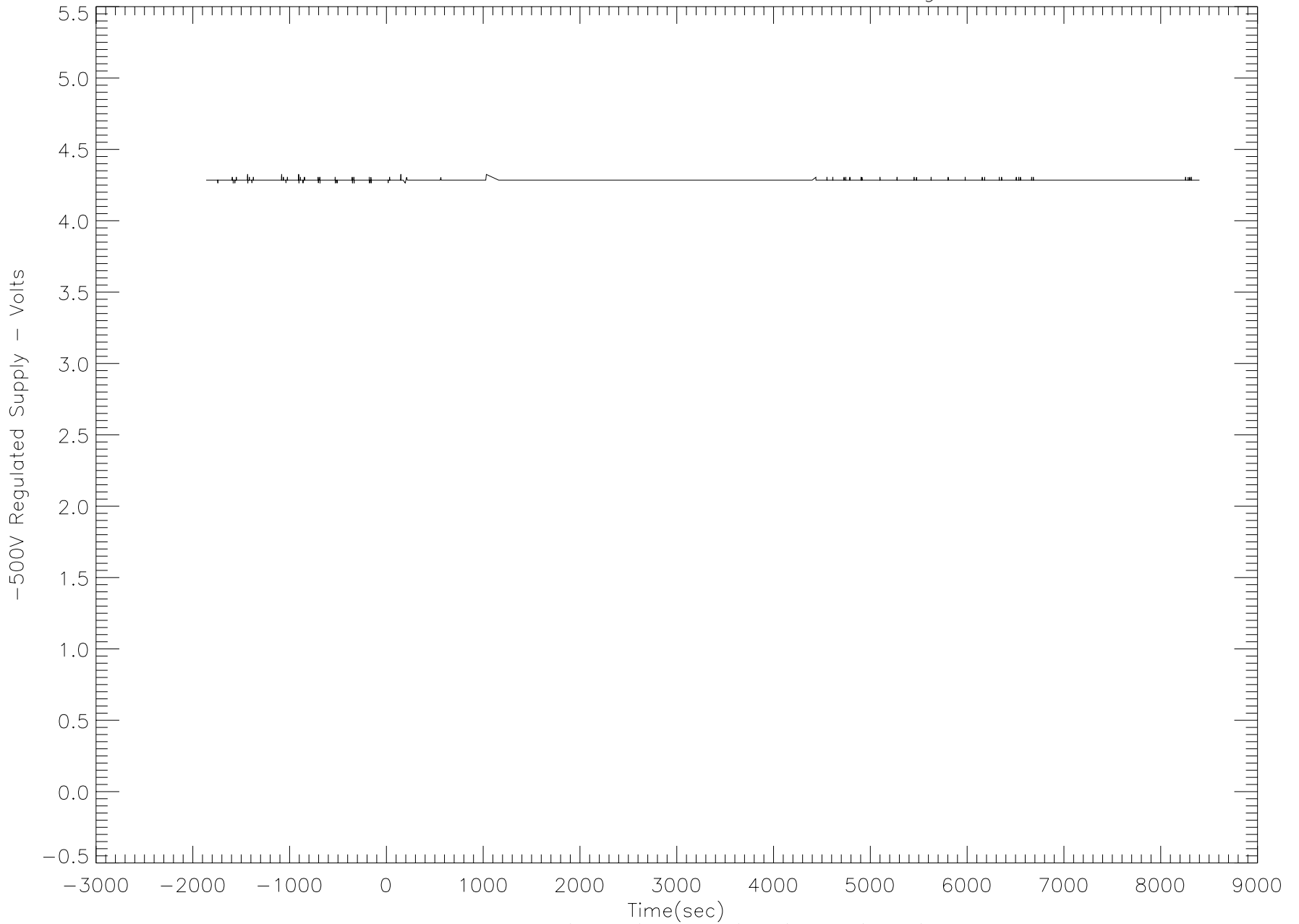
GCMS IdleA Data Value vs. Relative Time, Page 54



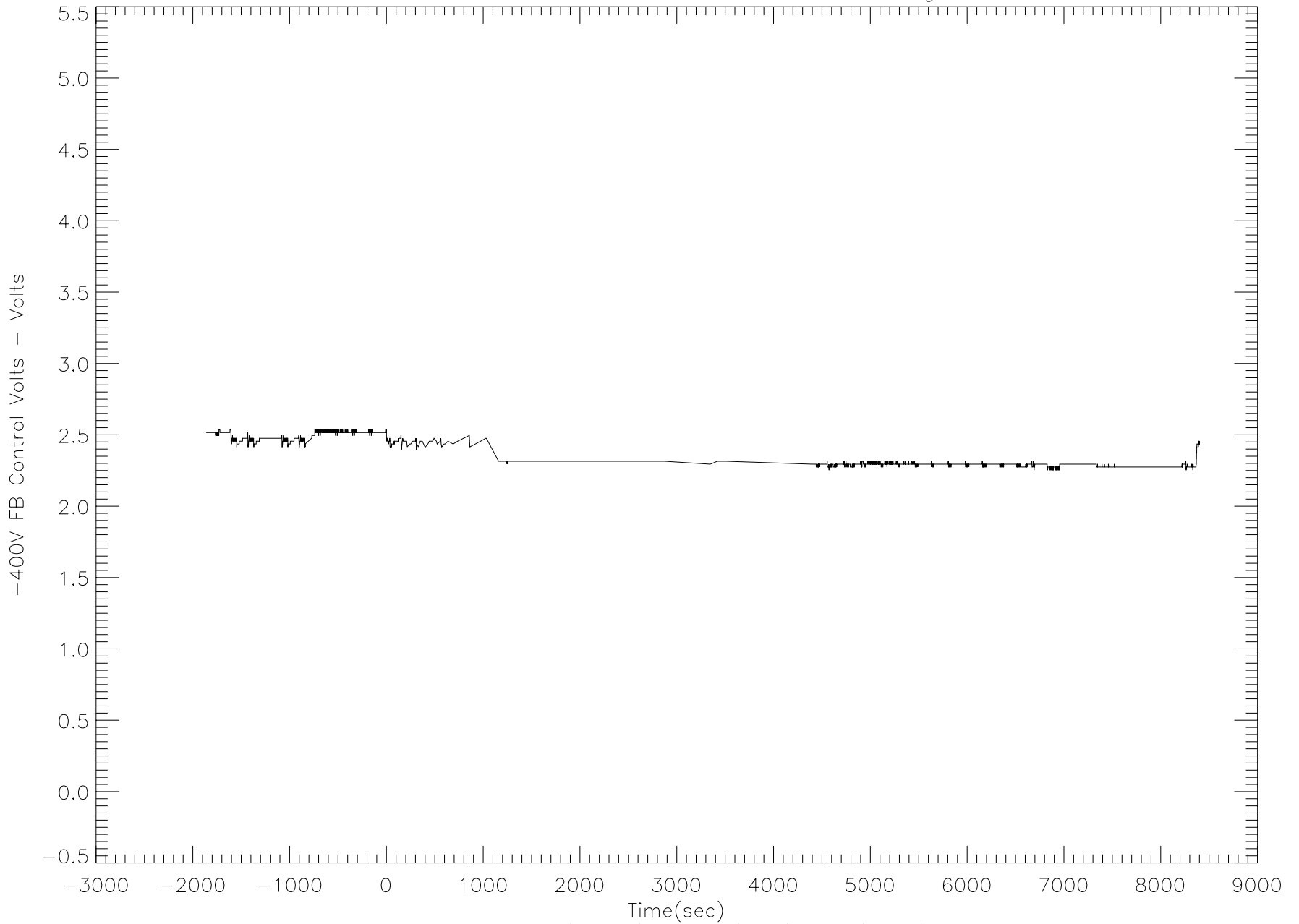
GCMS IdleA Data Value vs. Relative Time, Page 55



GCMS IdleA Data Value vs. Relative Time, Page 56

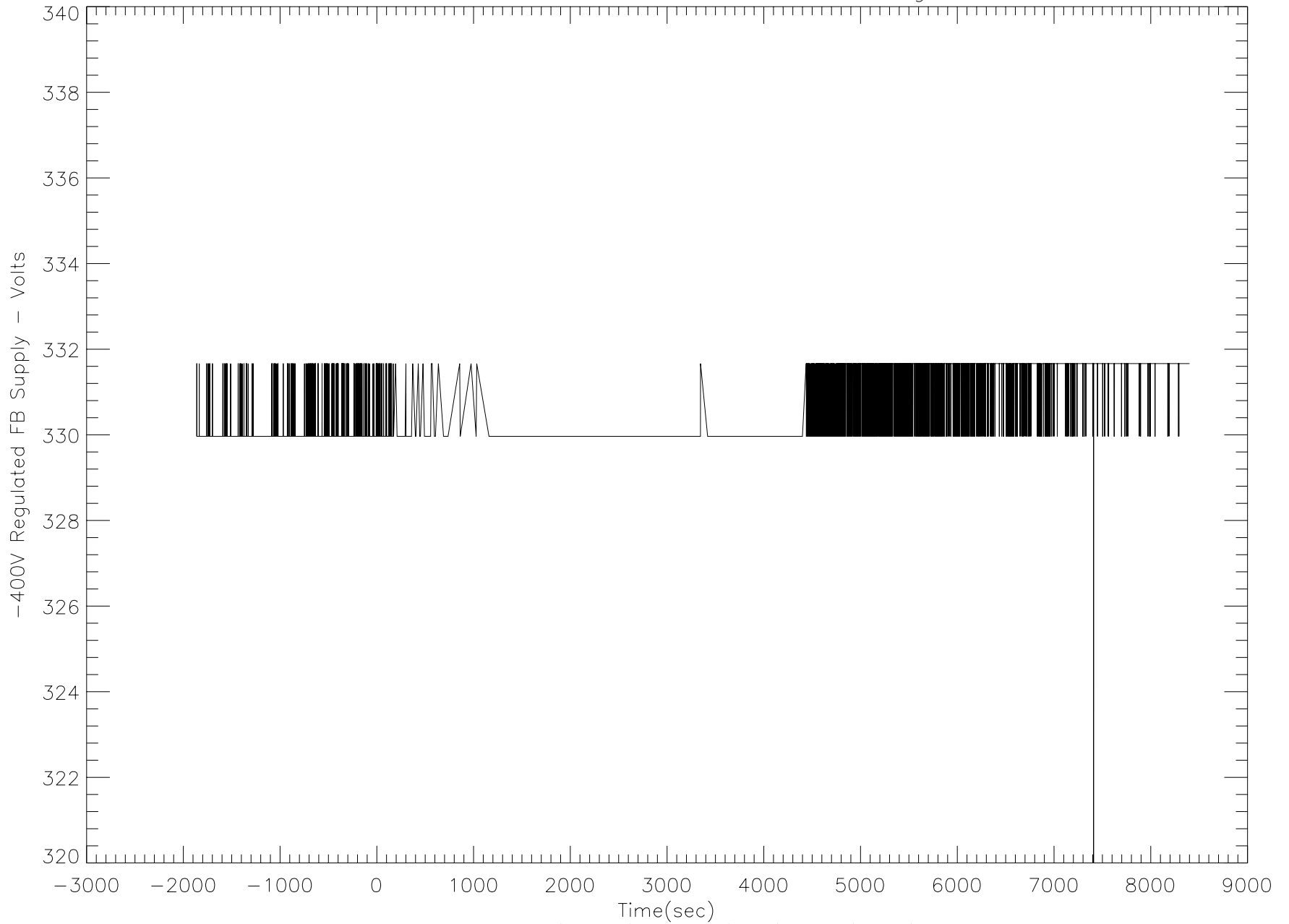


GCMS IdleA Data Value vs. Relative Time, Page 57

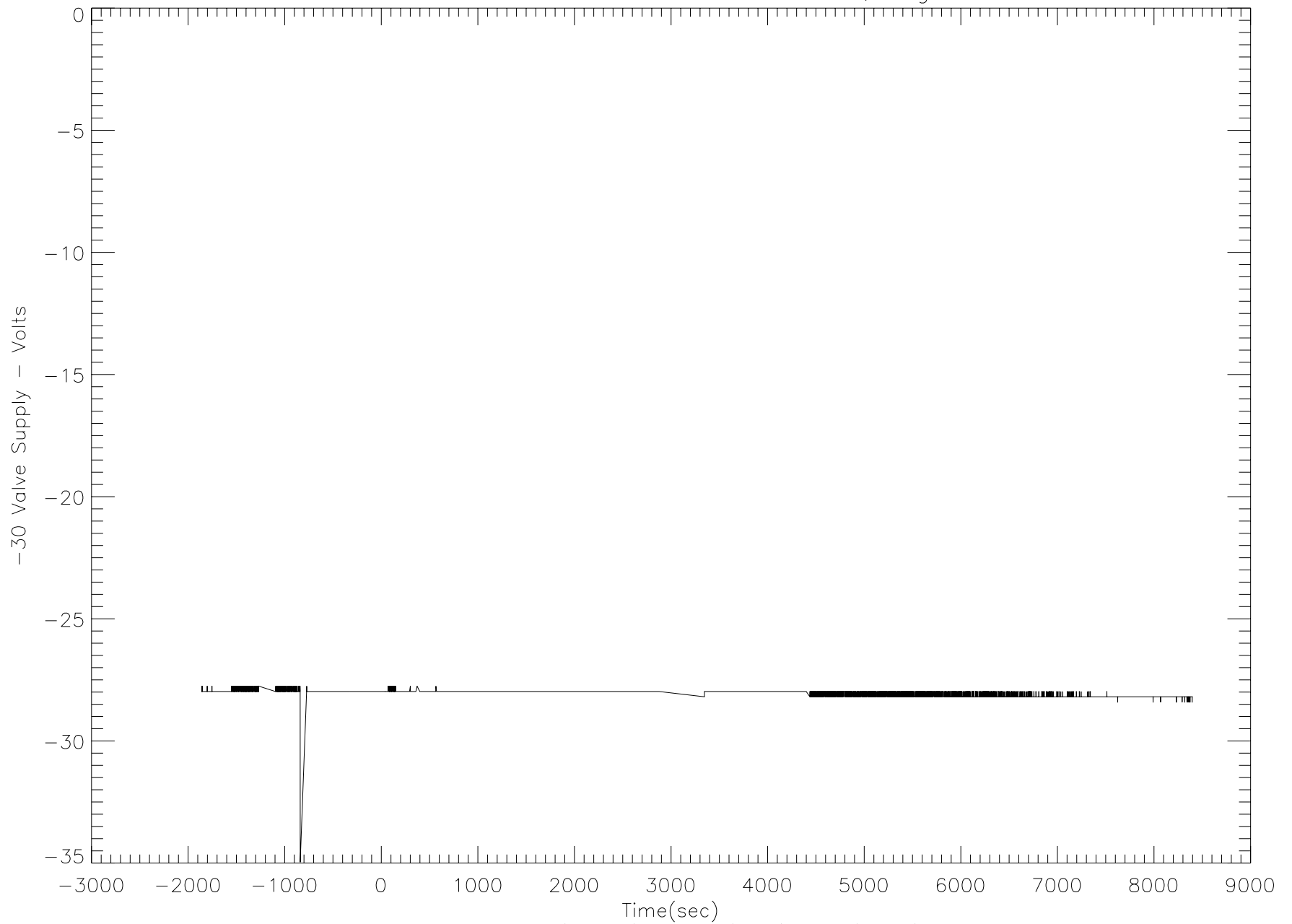




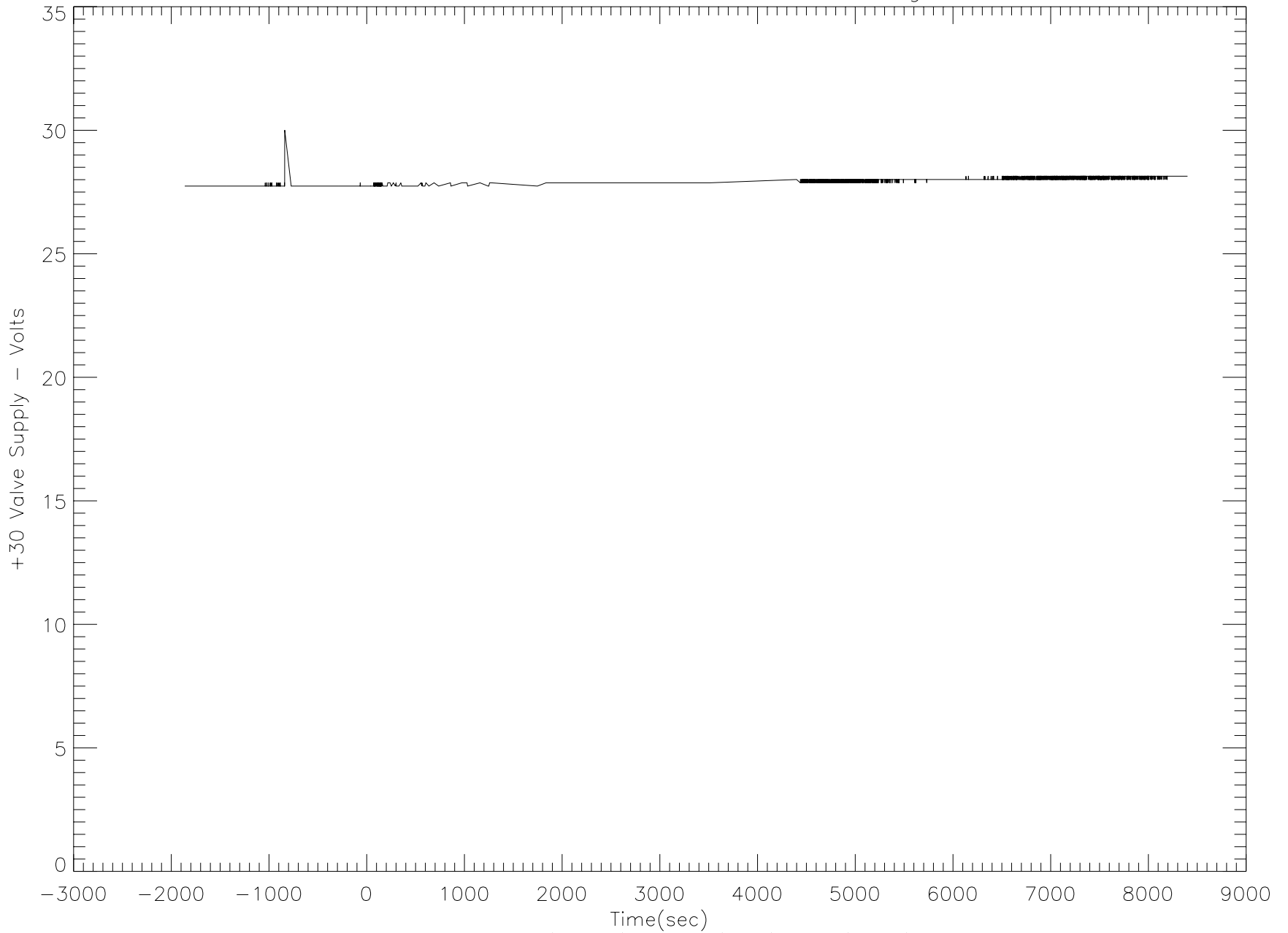
GCMS IdleA Data Value vs. Relative Time, Page 58



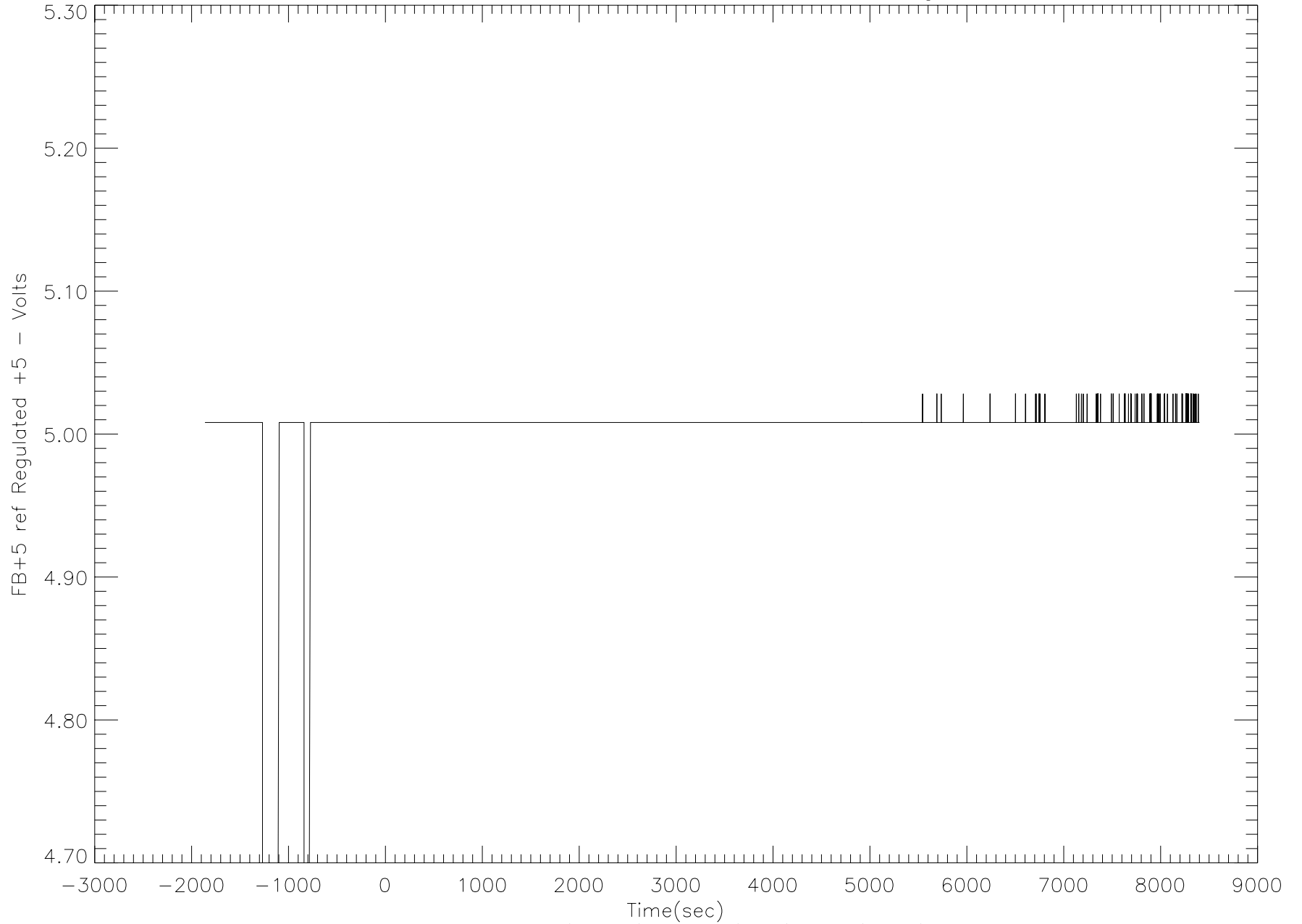
GCMS IdleA Data Value vs. Relative Time, Page 59



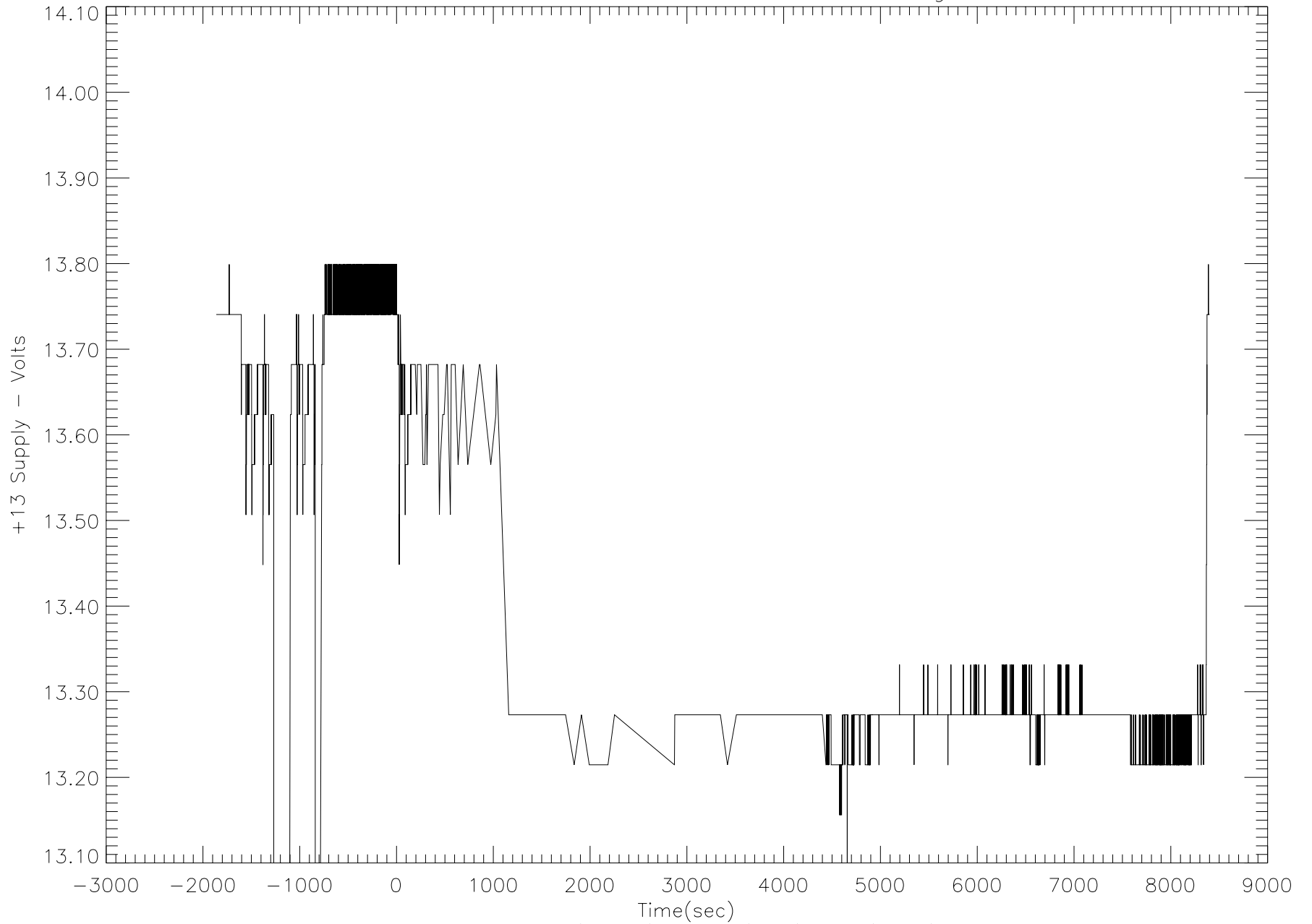
GCMS IdleA Data Value vs. Relative Time, Page 60



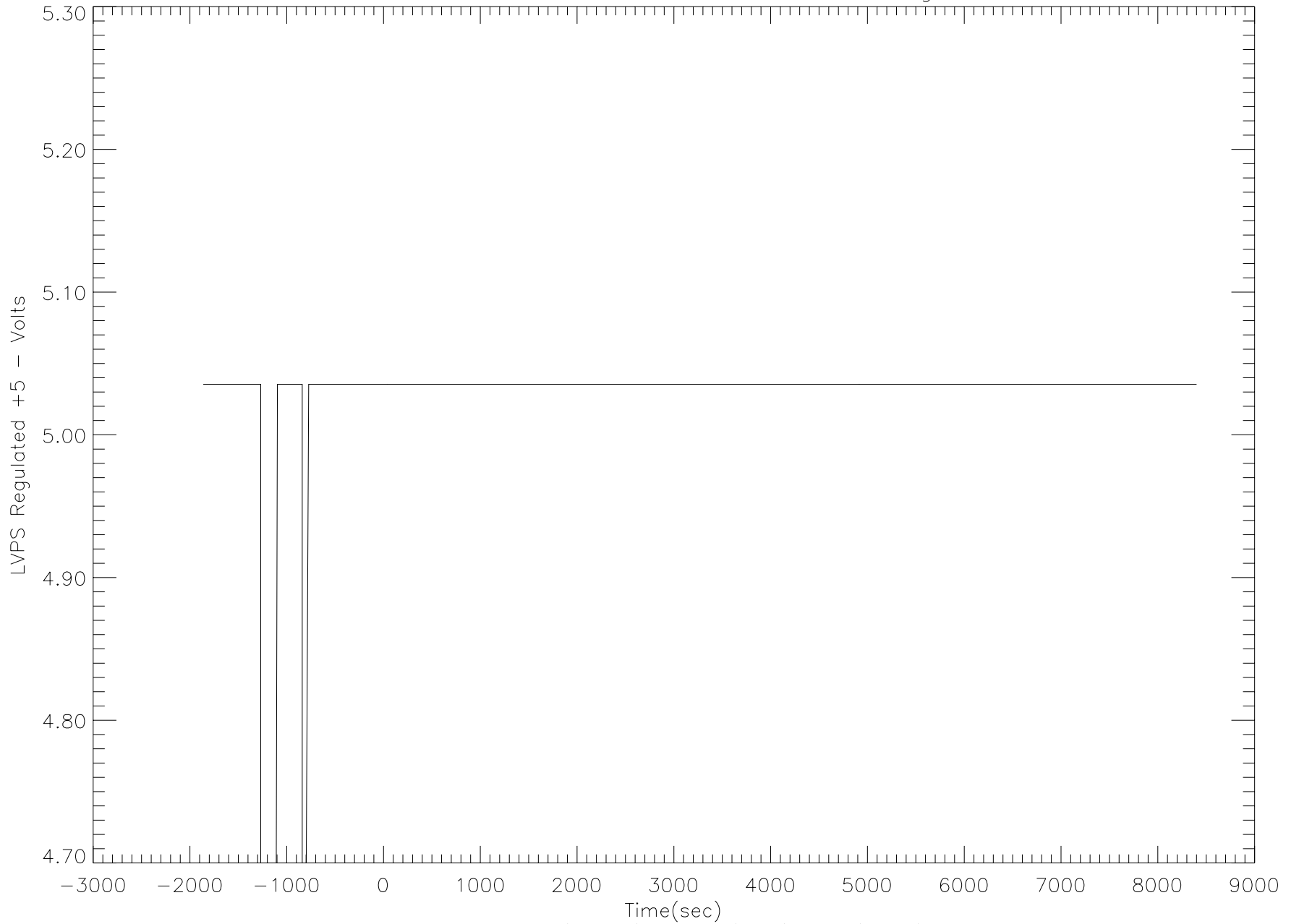
GCMS IdleA Data Value vs. Relative Time, Page 61



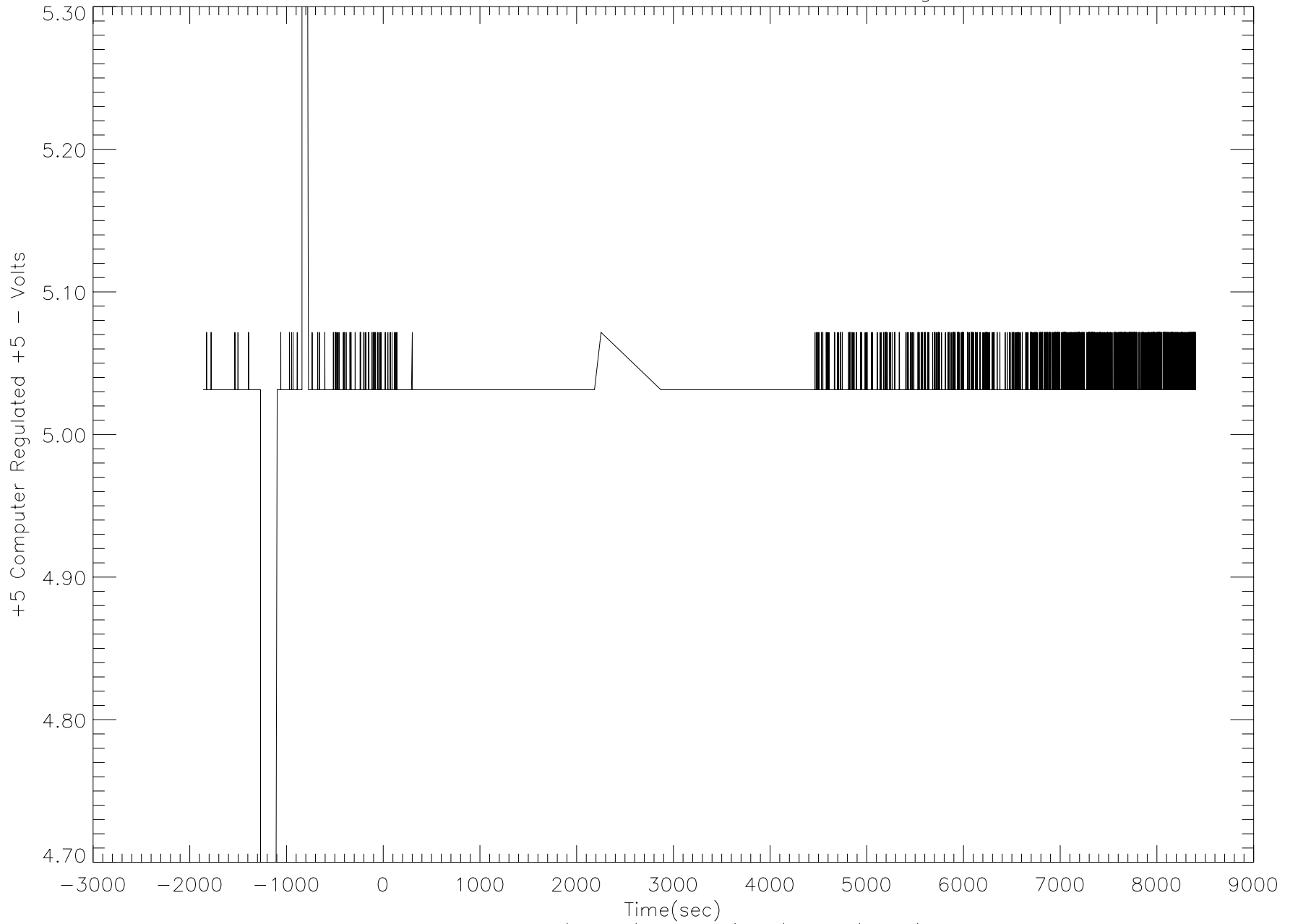
GCMS IdleA Data Value vs. Relative Time, Page 62



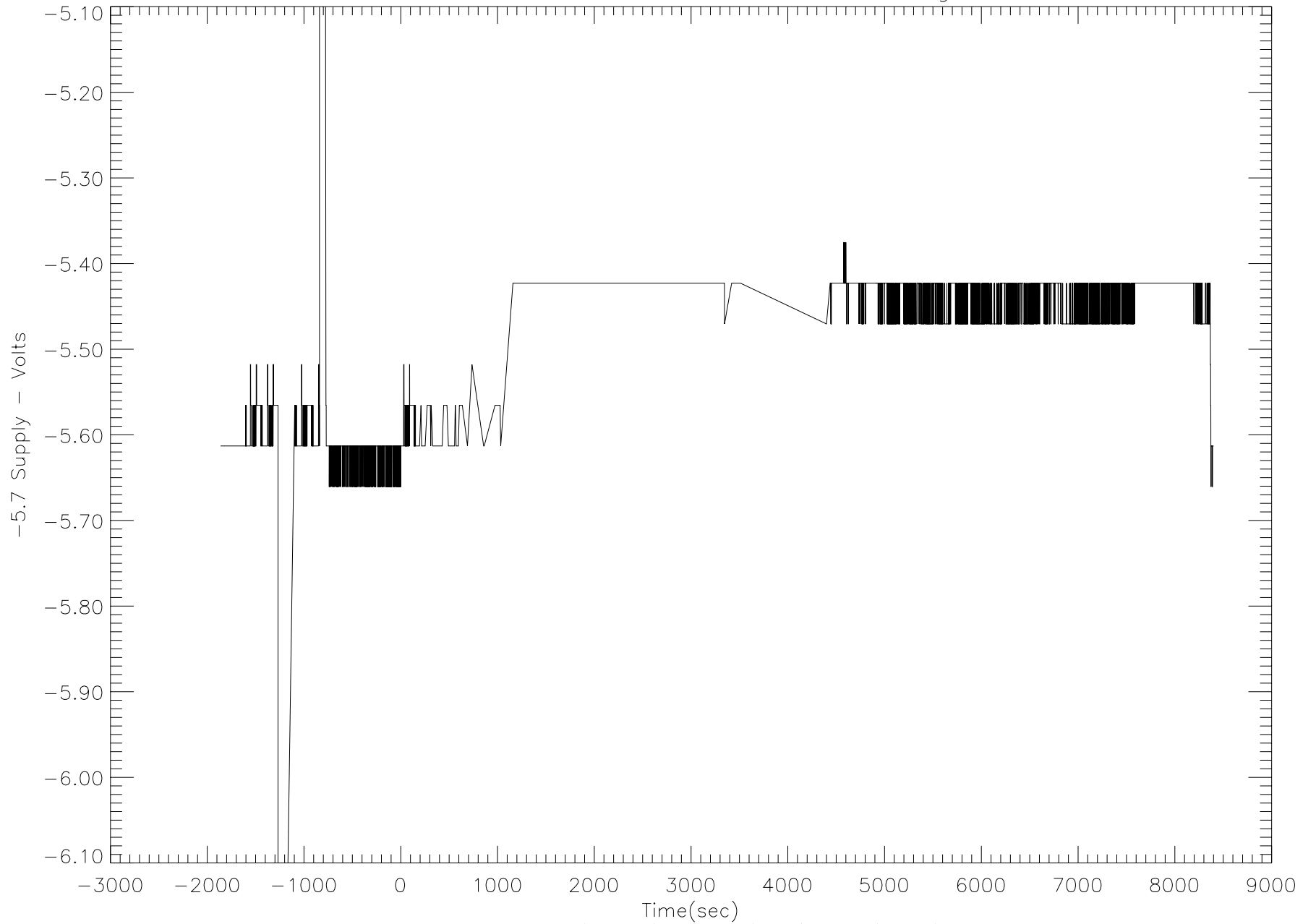
GCMS IdleA Data Value vs. Relative Time, Page 63



GCMS IdleA Data Value vs. Relative Time, Page 64

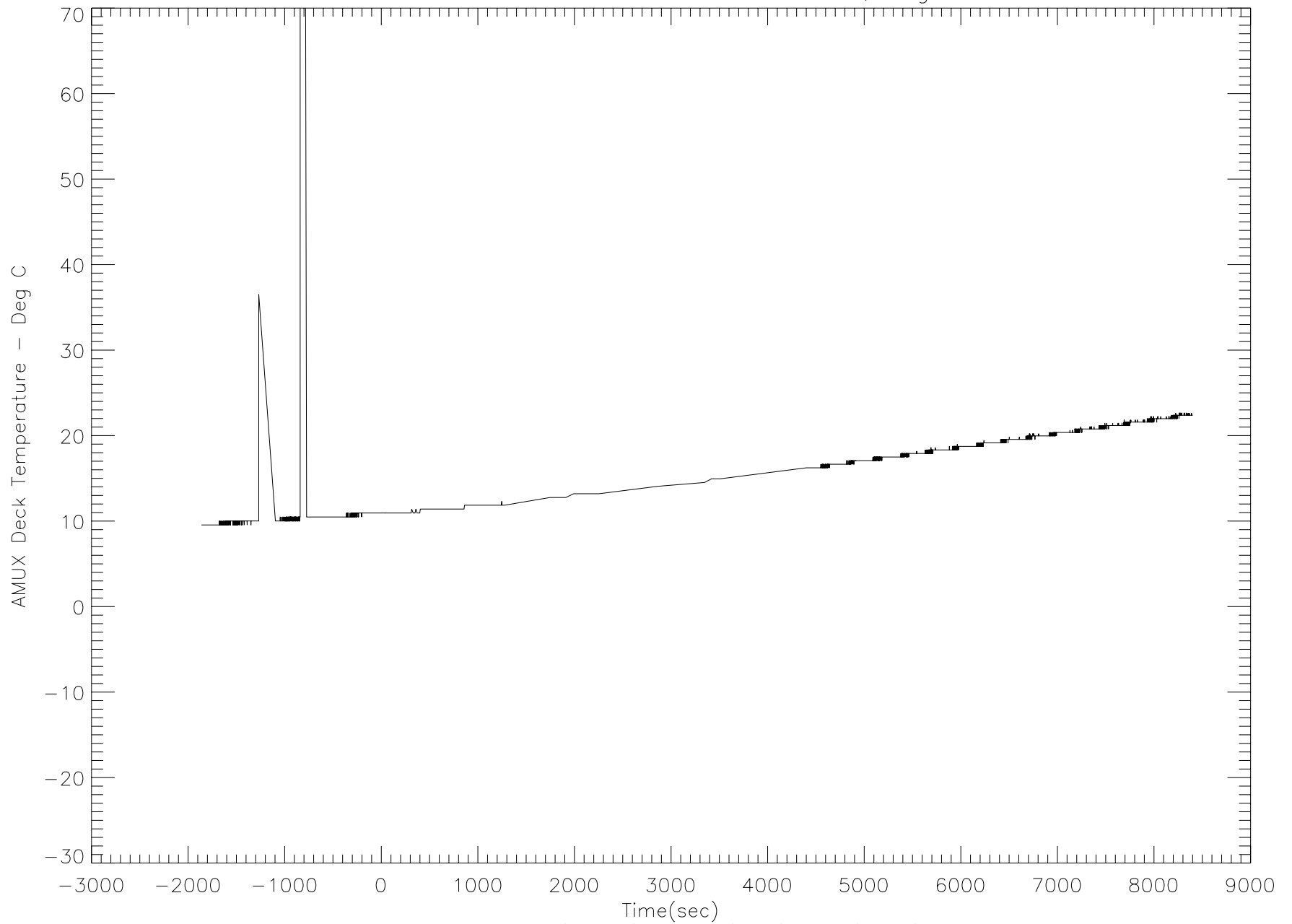


GCMS IdleA Data Value vs. Relative Time, Page 65

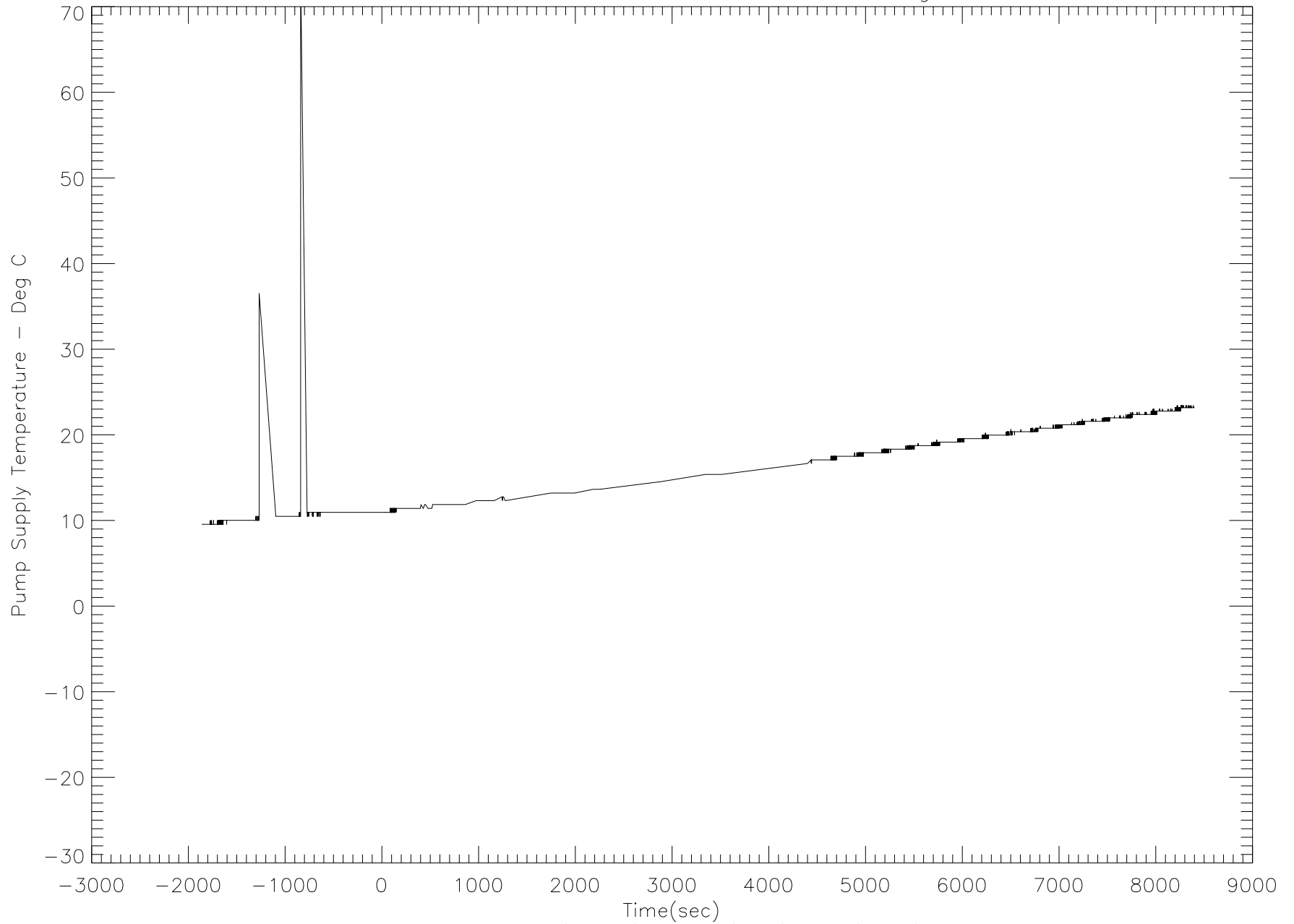




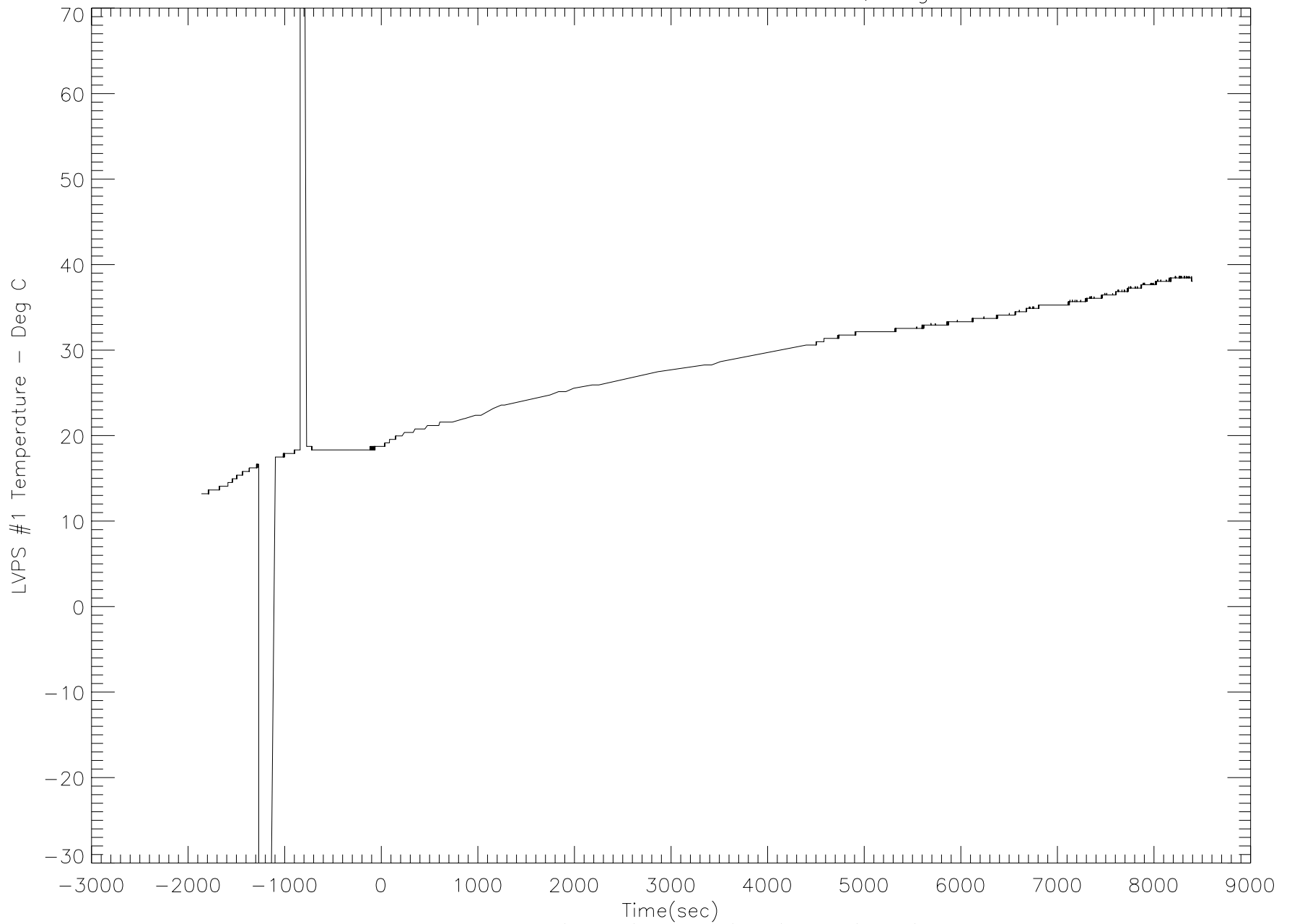
GCMS IdleA Data Value vs. Relative Time, Page 66



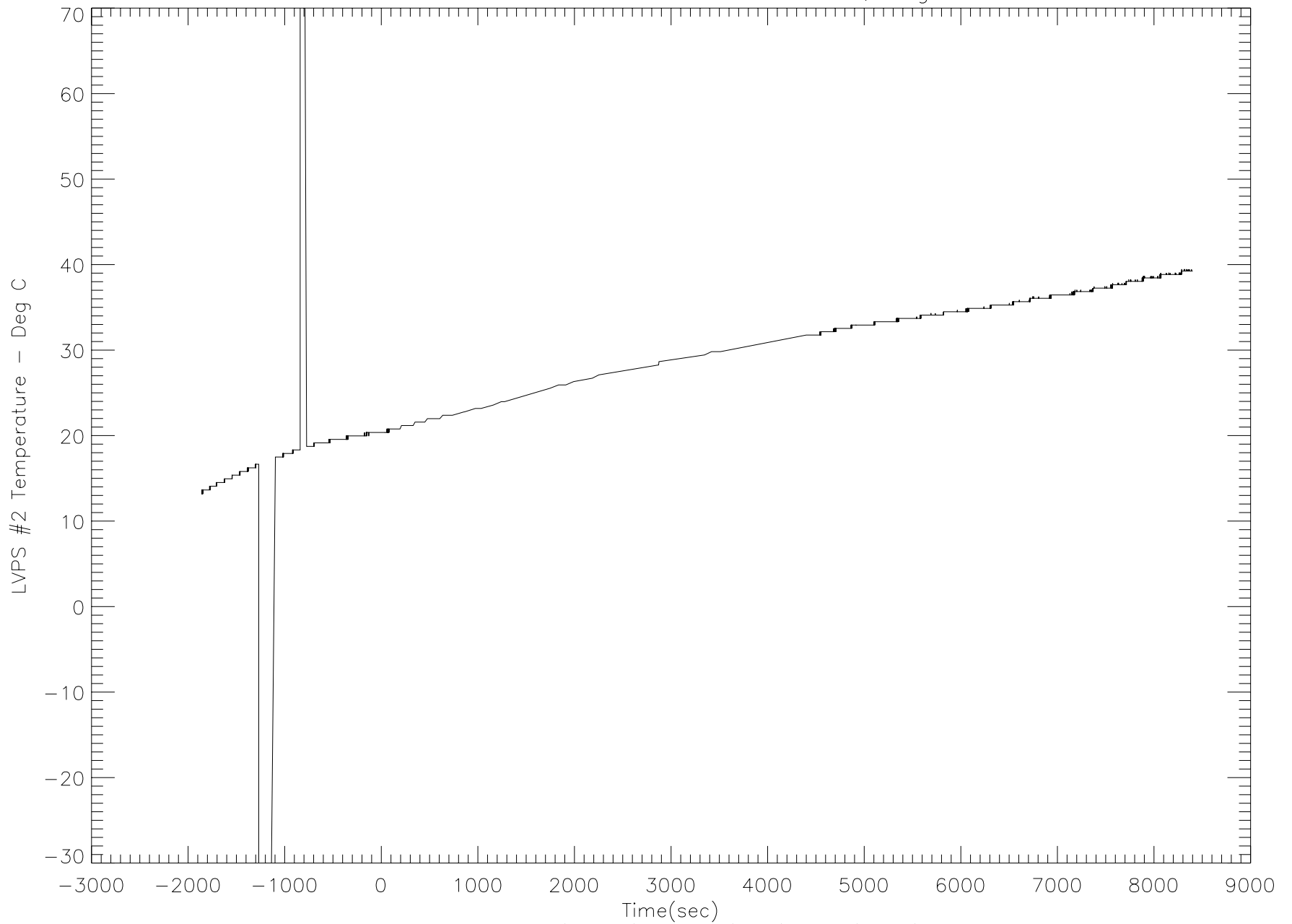
GCMS IdleA Data Value vs. Relative Time, Page 67



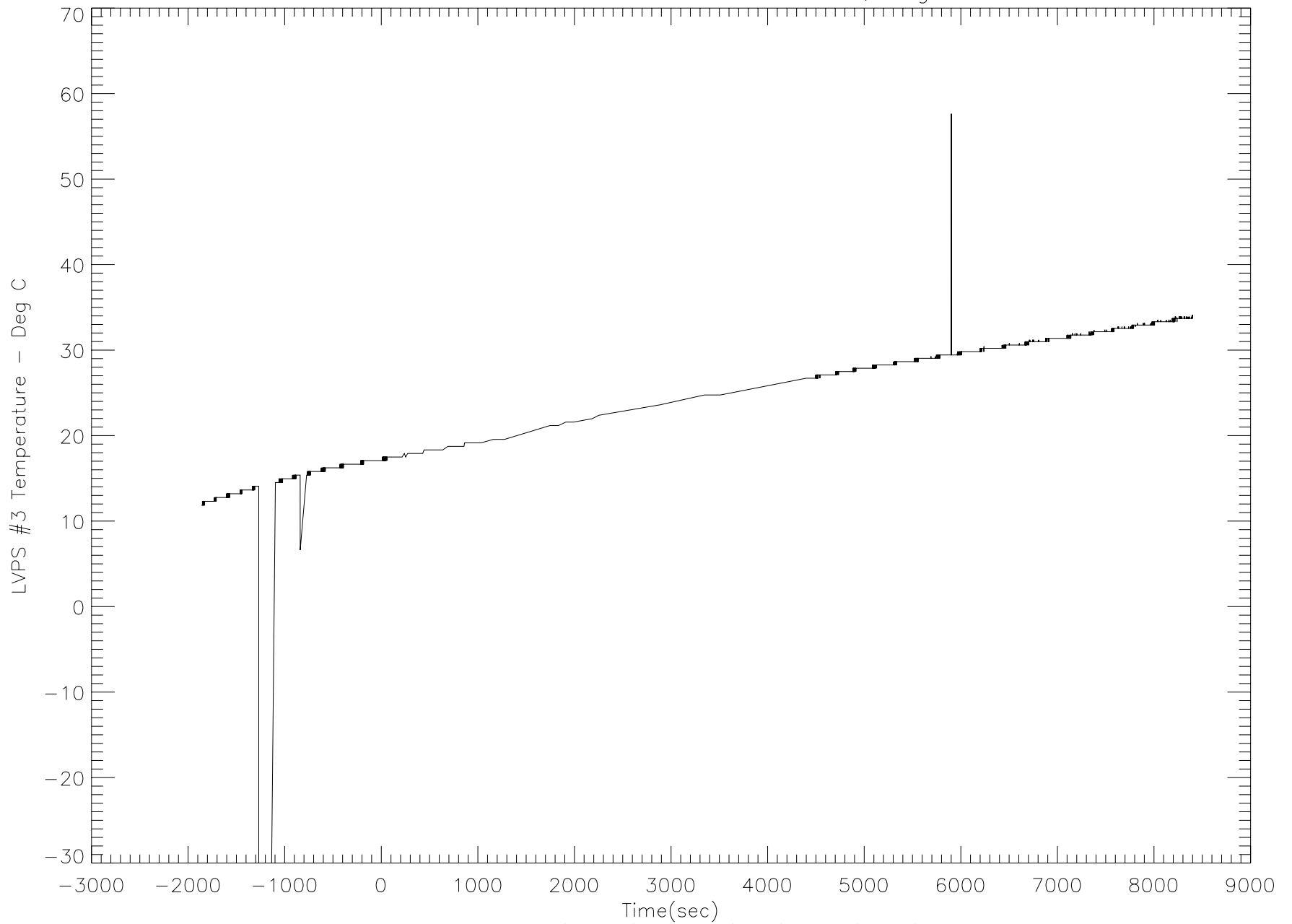
GCMS IdleA Data Value vs. Relative Time, Page 68



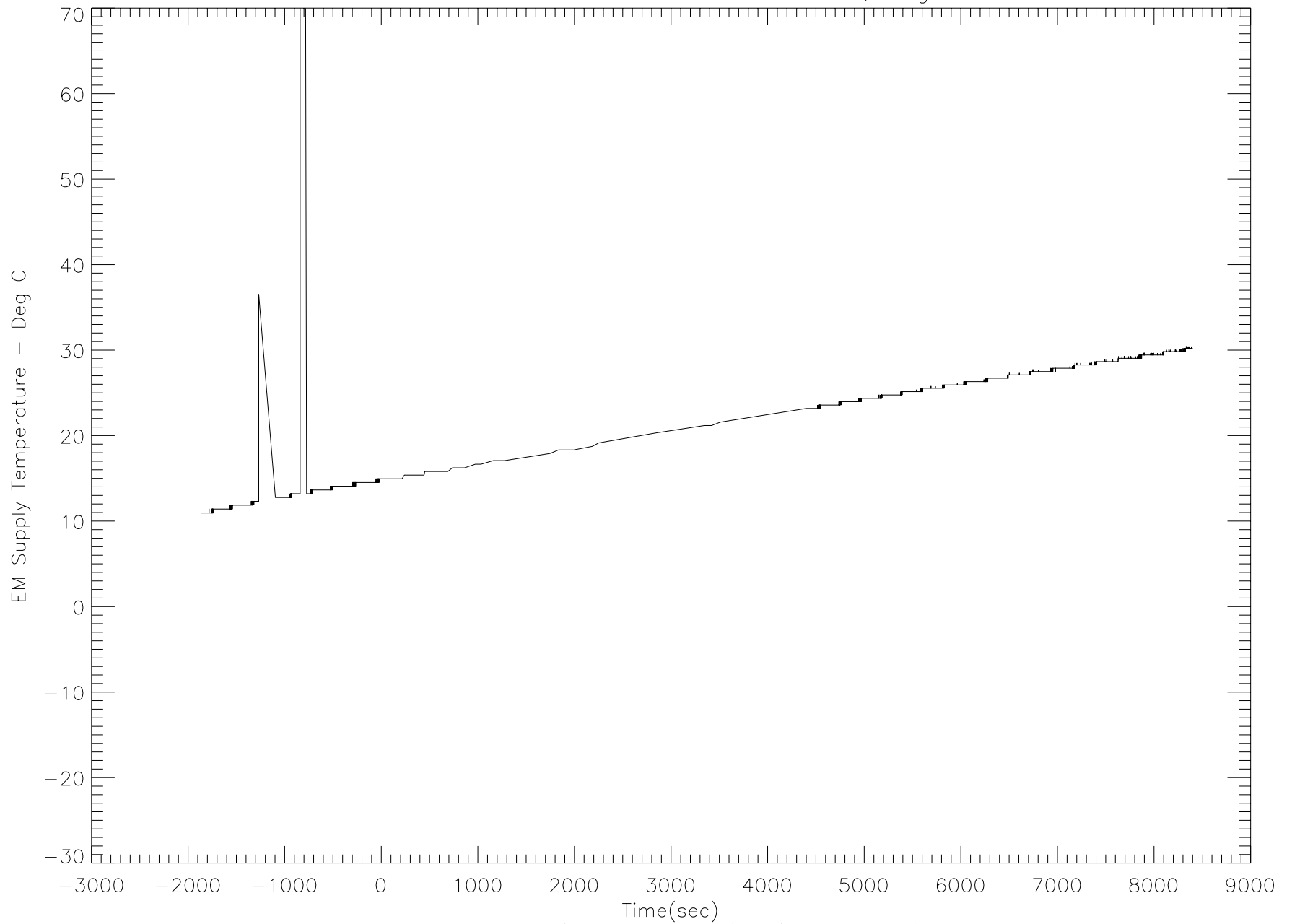
GCMS IdleA Data Value vs. Relative Time, Page 69



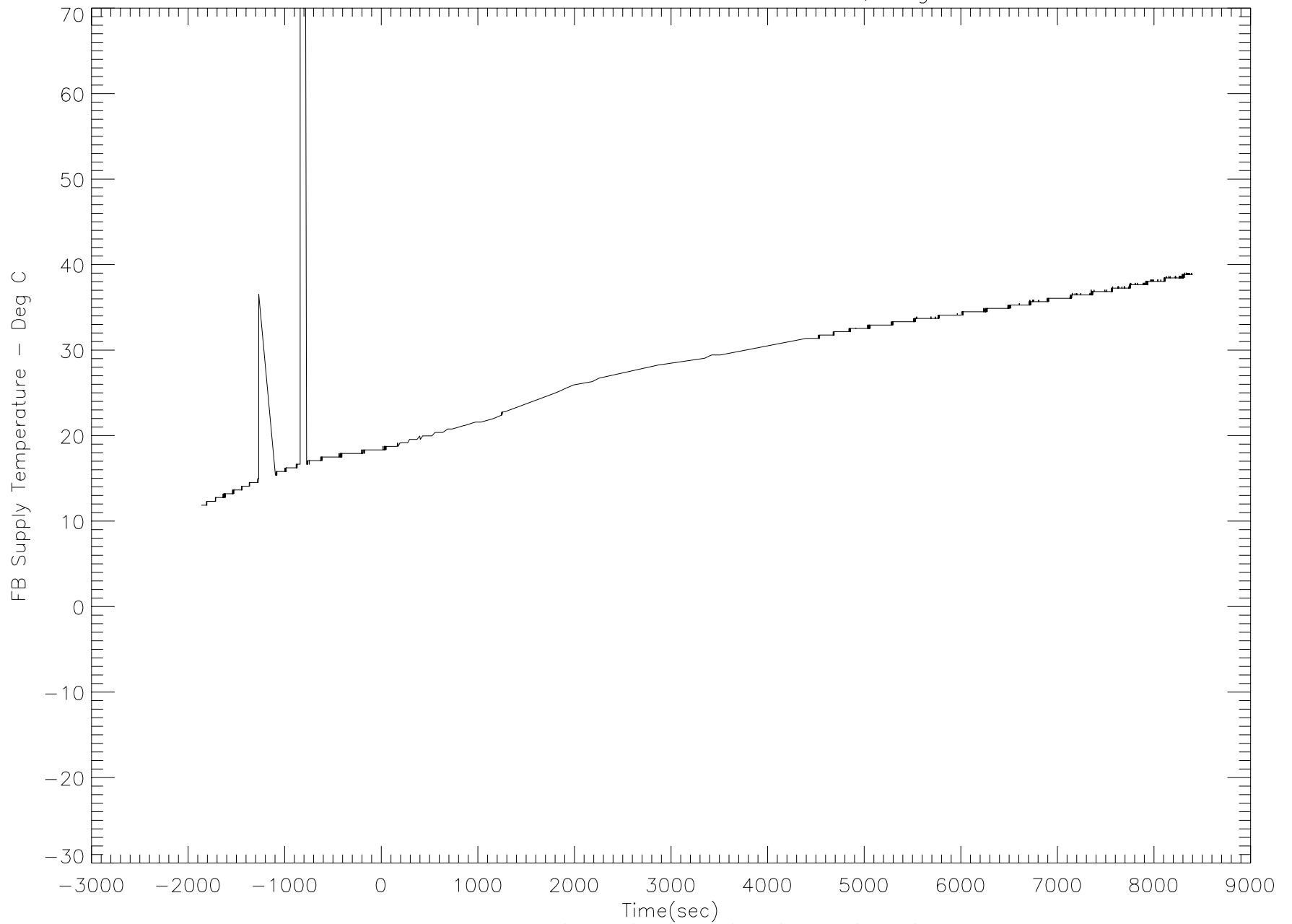
GCMS IdleA Data Value vs. Relative Time, Page 70



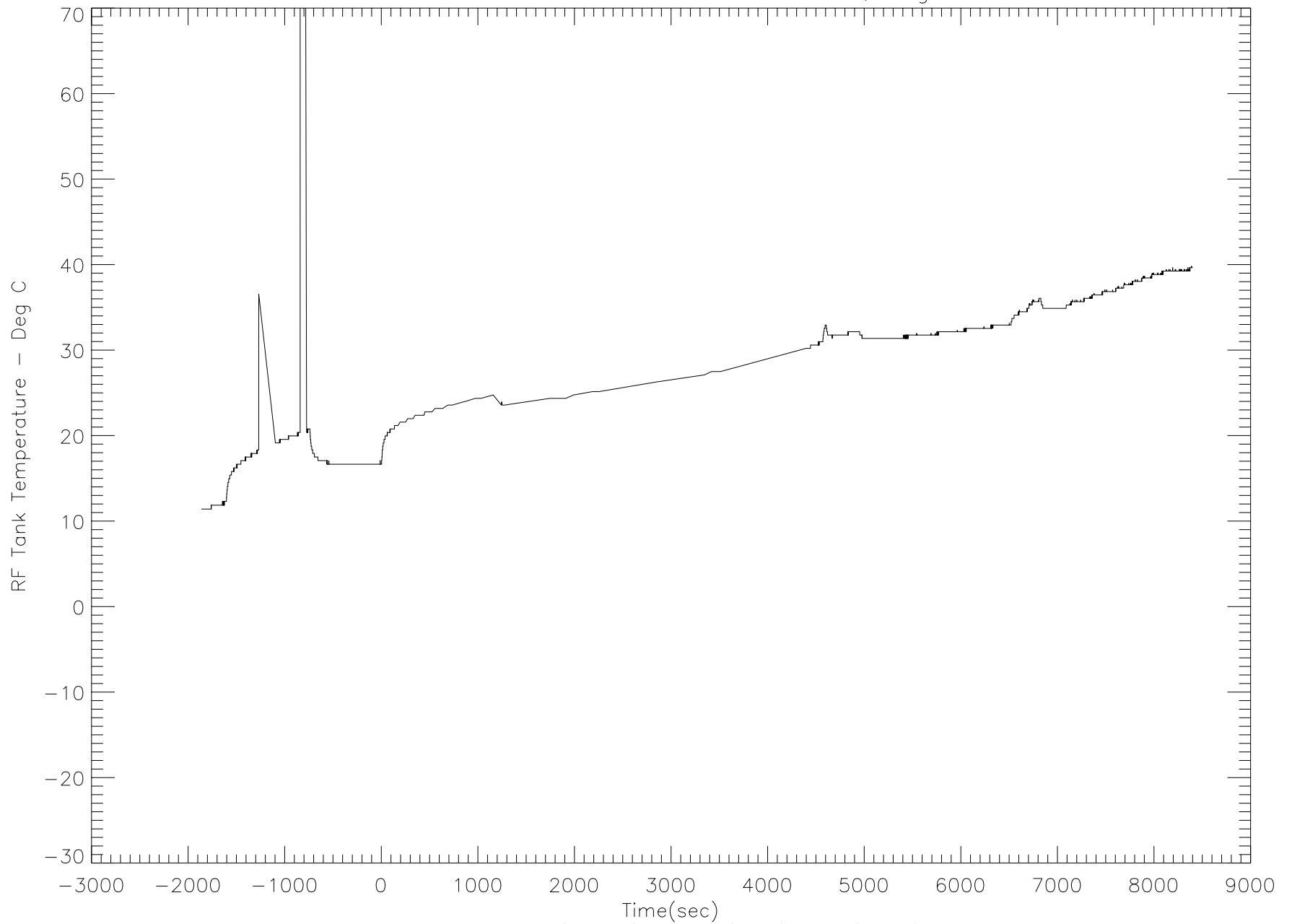
GCMS IdleA Data Value vs. Relative Time, Page 71



GCMS IdleA Data Value vs. Relative Time, Page 72

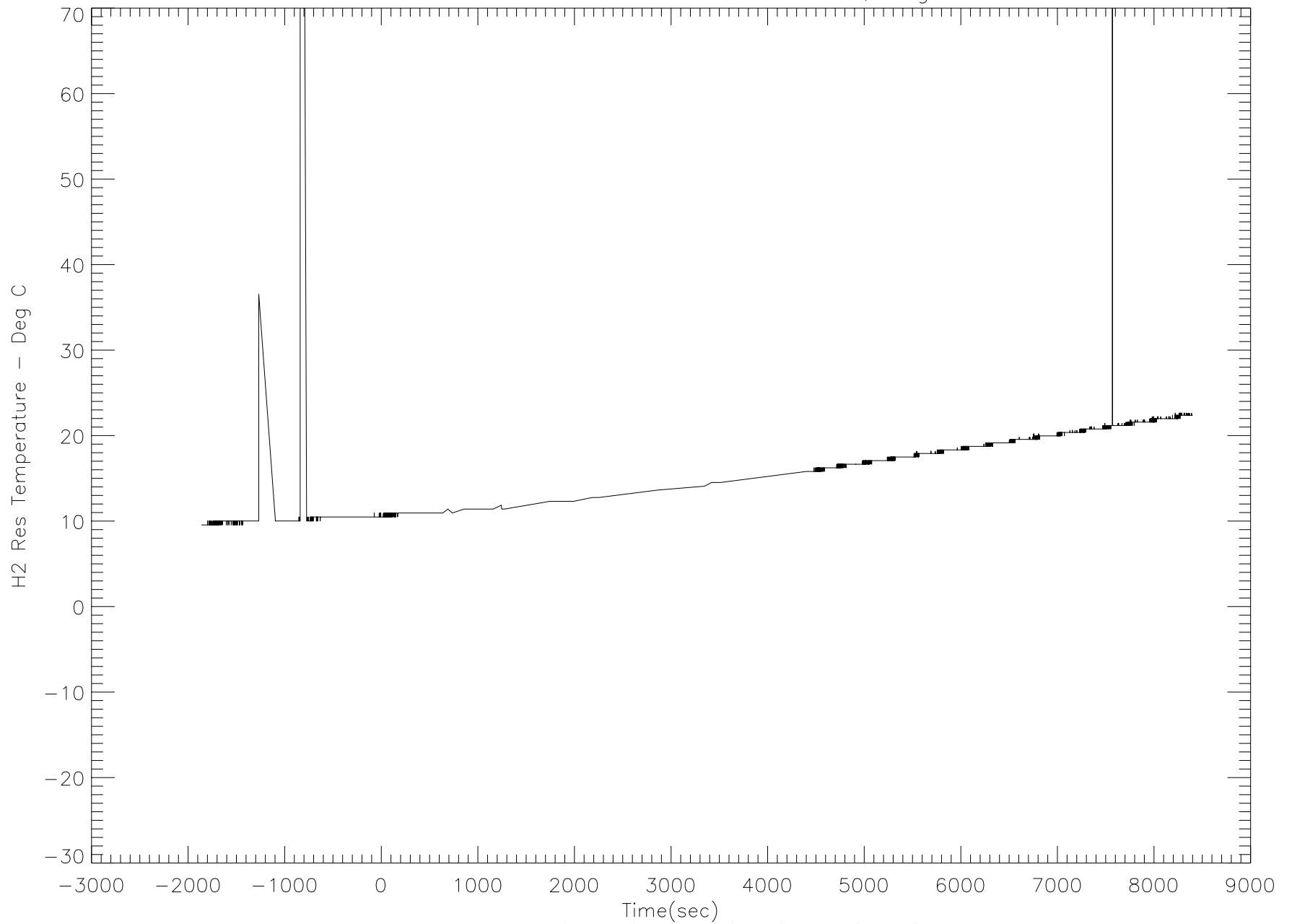


GCMS IdleA Data Value vs. Relative Time, Page 73

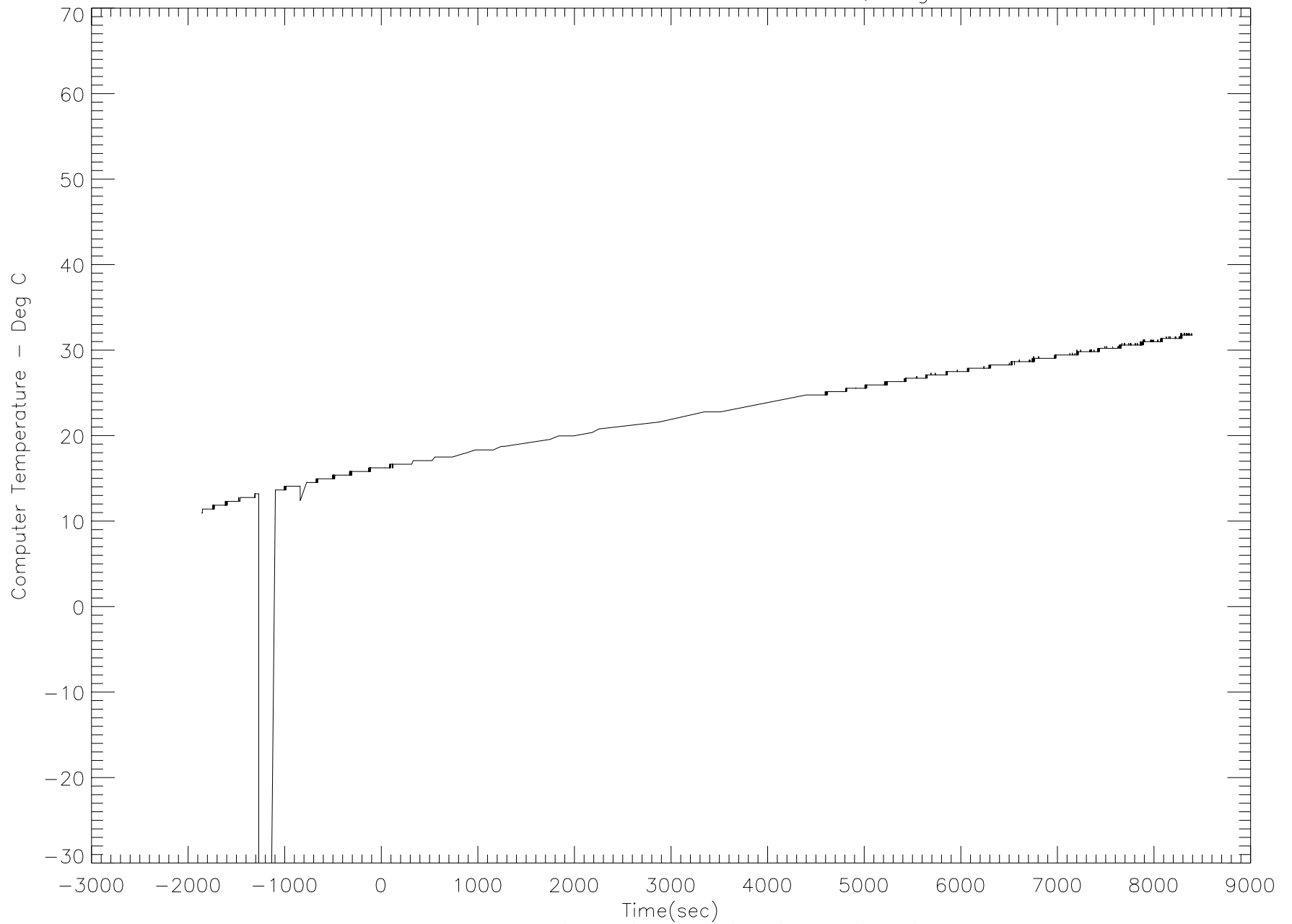




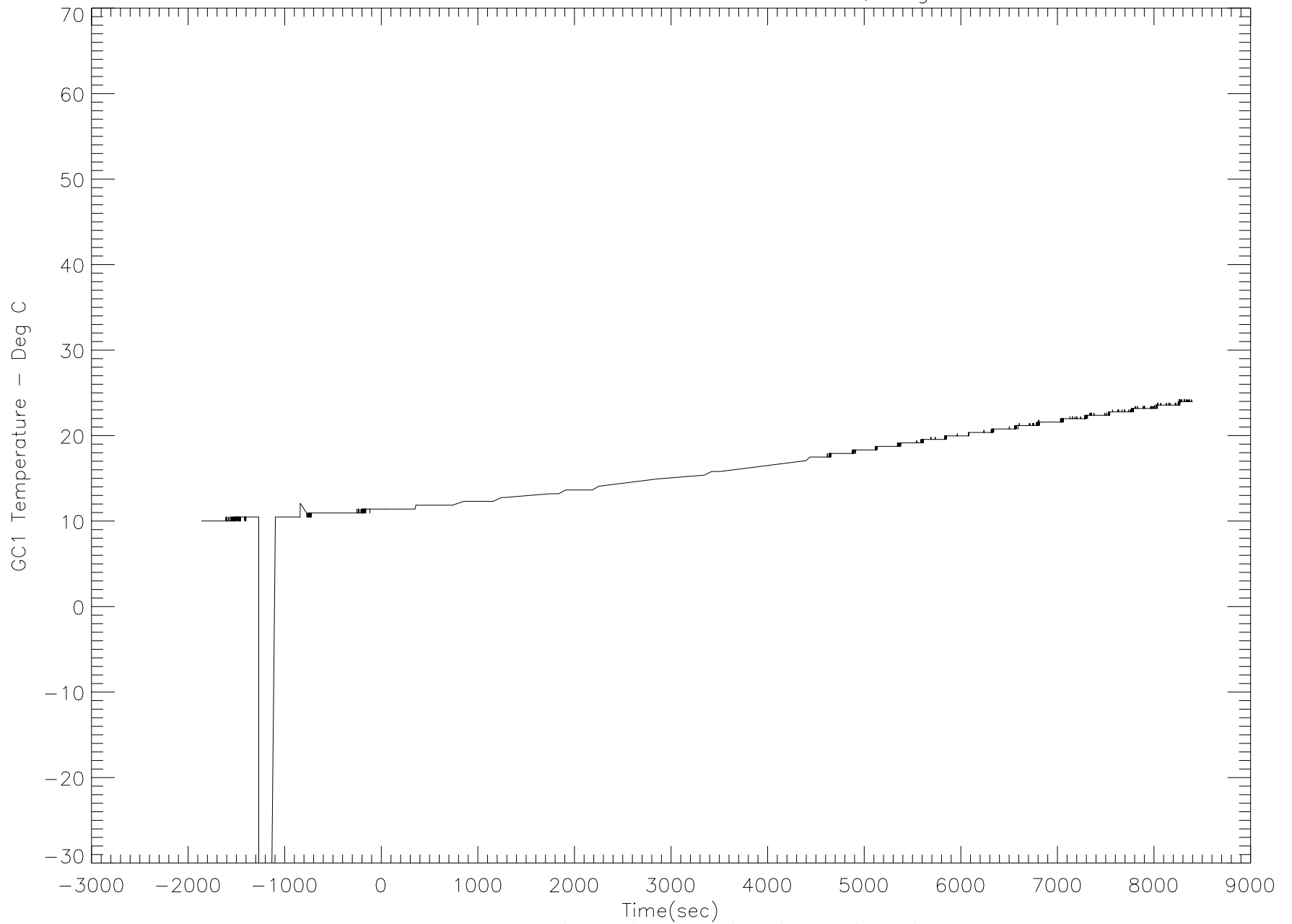
GCMS IdleA Data Value vs. Relative Time, Page 74



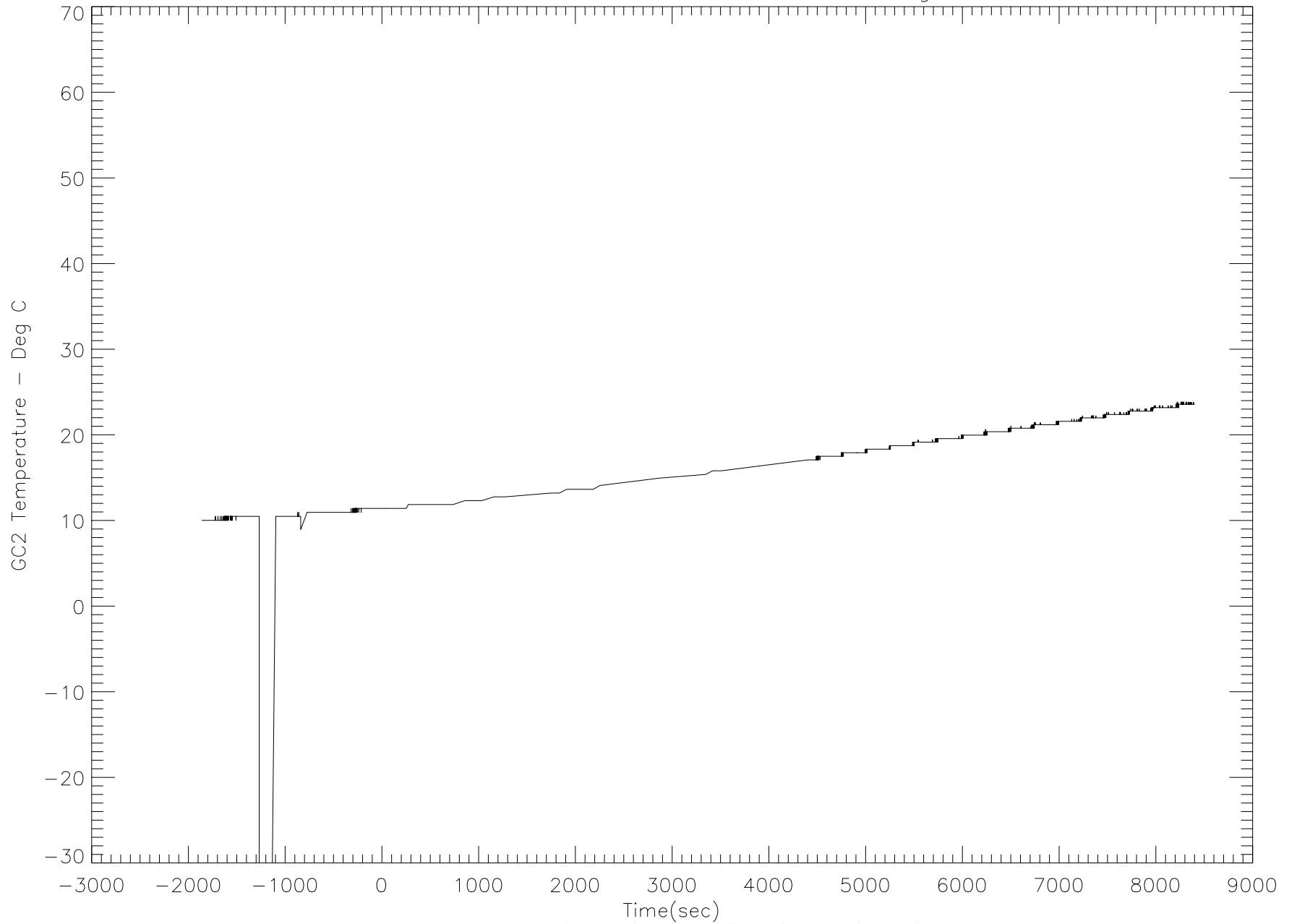
GCMS IdleA Data Value vs. Relative Time, Page 75



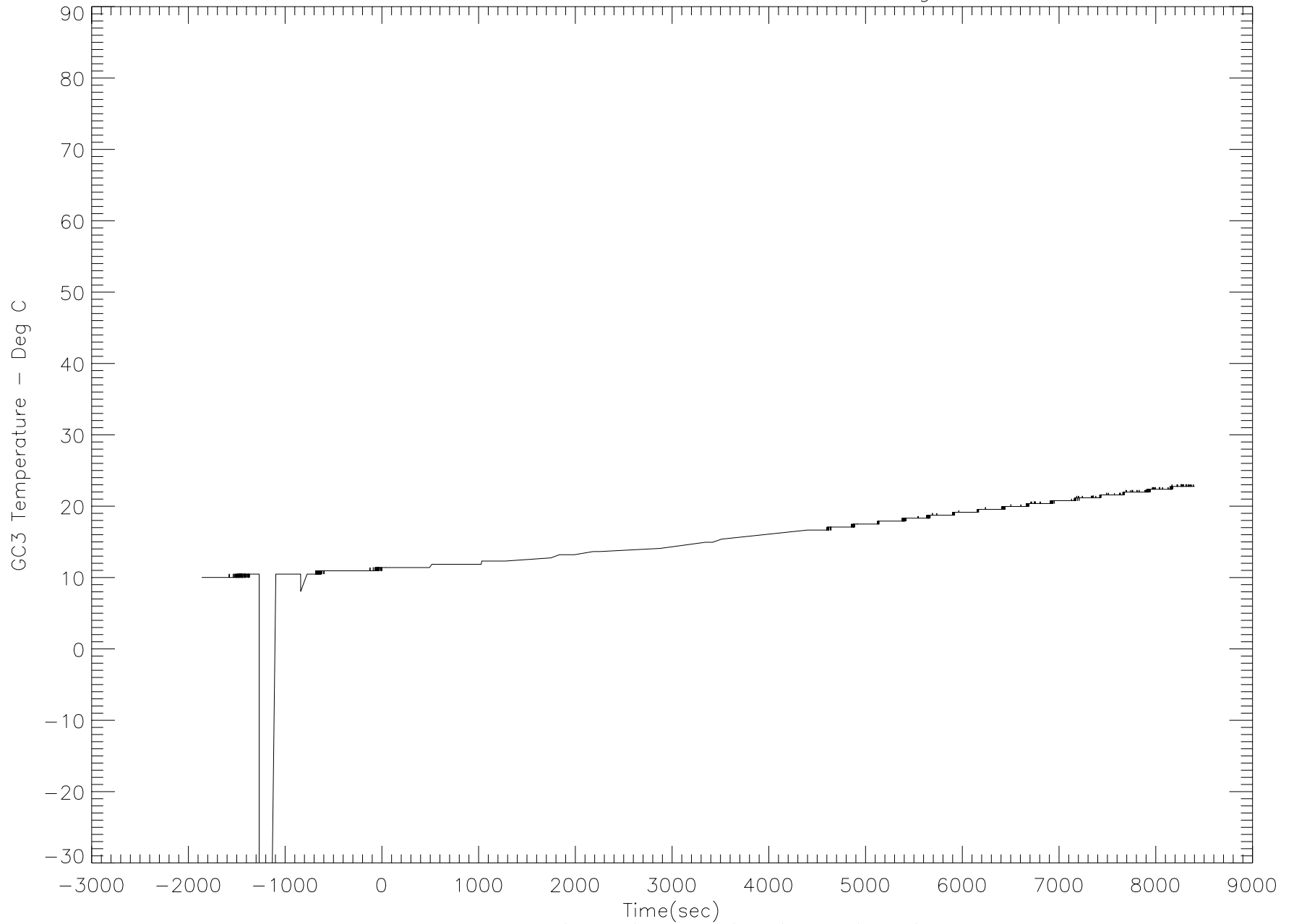
GCMS IdleA Data Value vs. Relative Time, Page 76



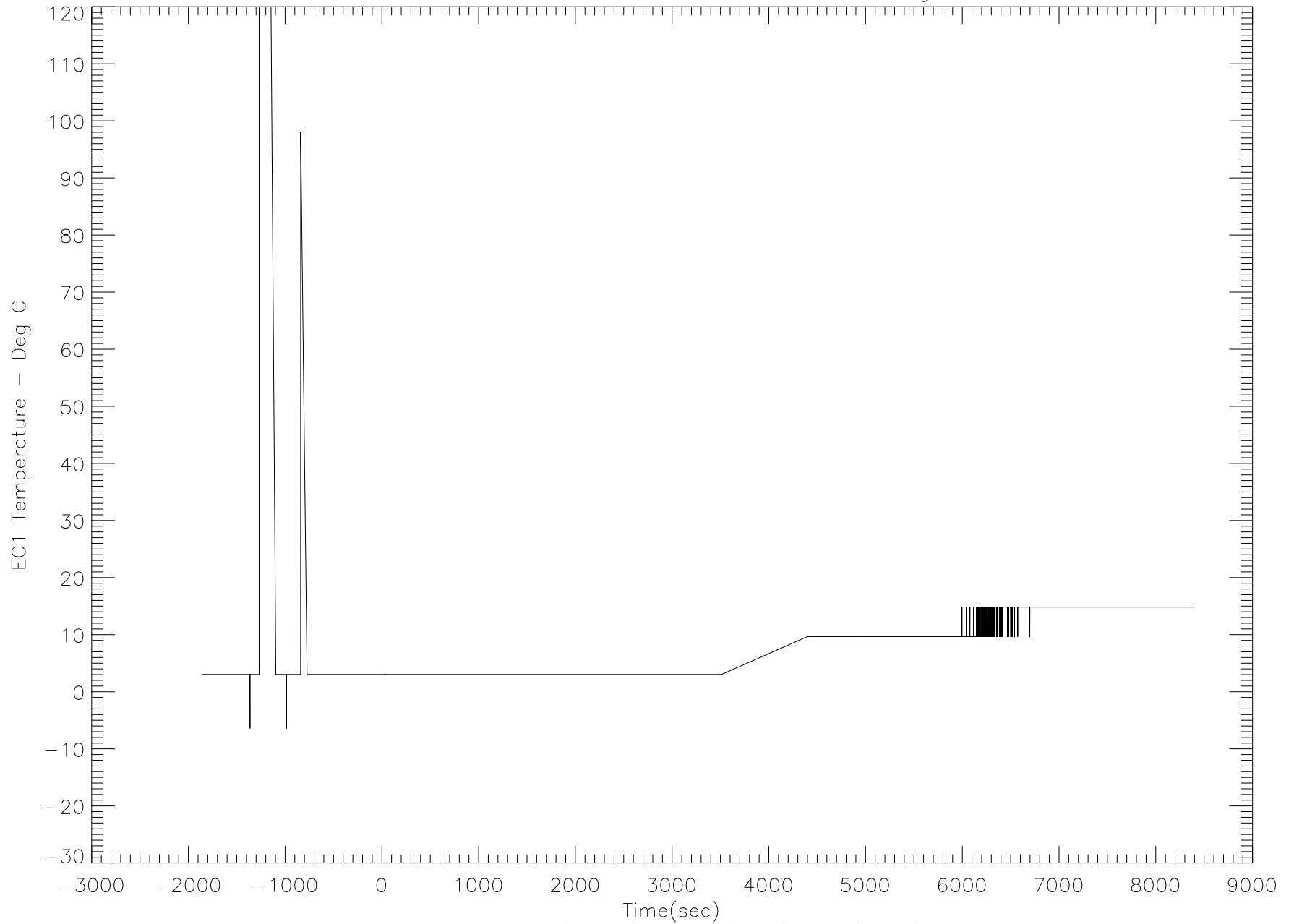
GCMS IdleA Data Value vs. Relative Time, Page 77



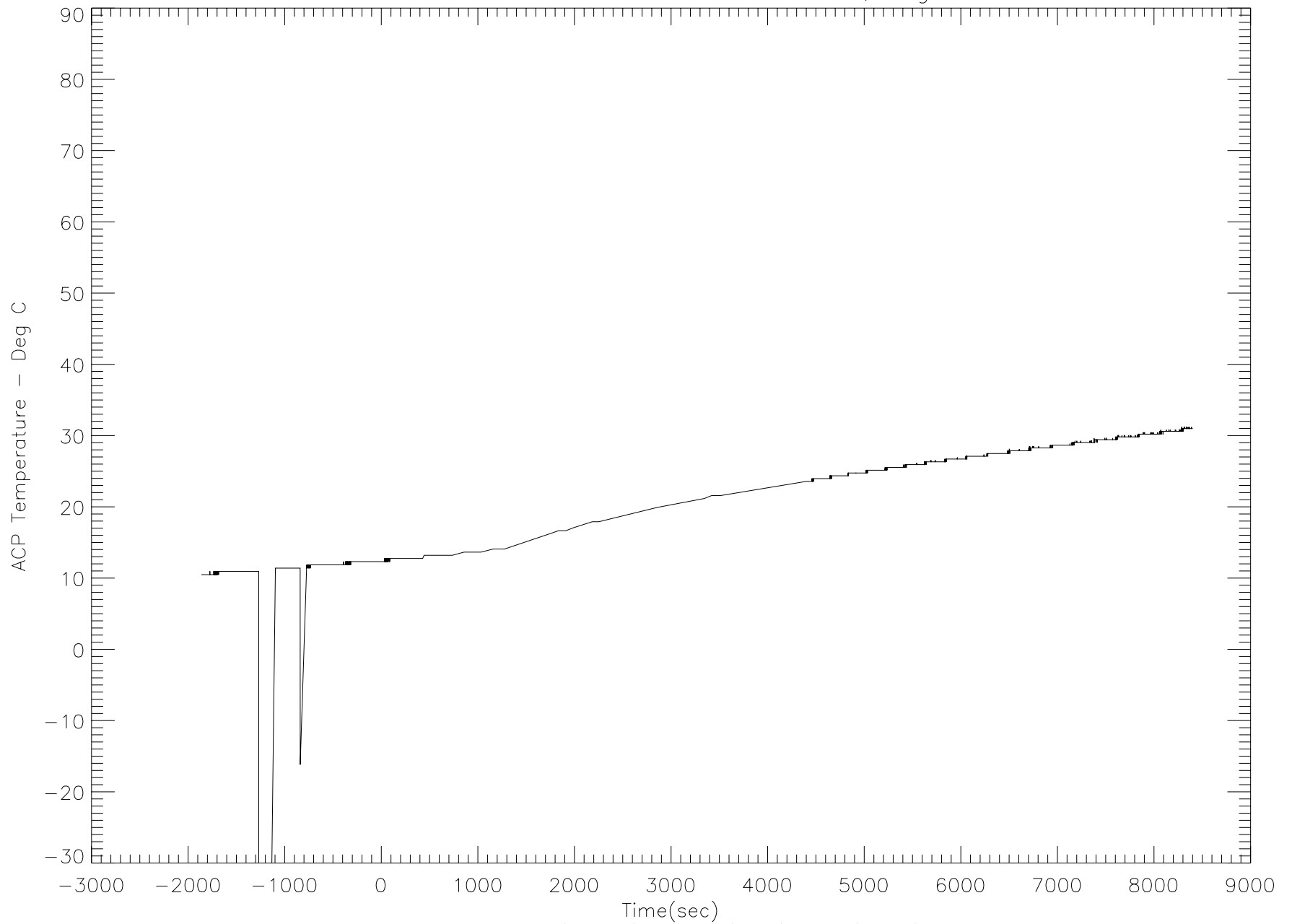
GCMS IdleA Data Value vs. Relative Time, Page 78



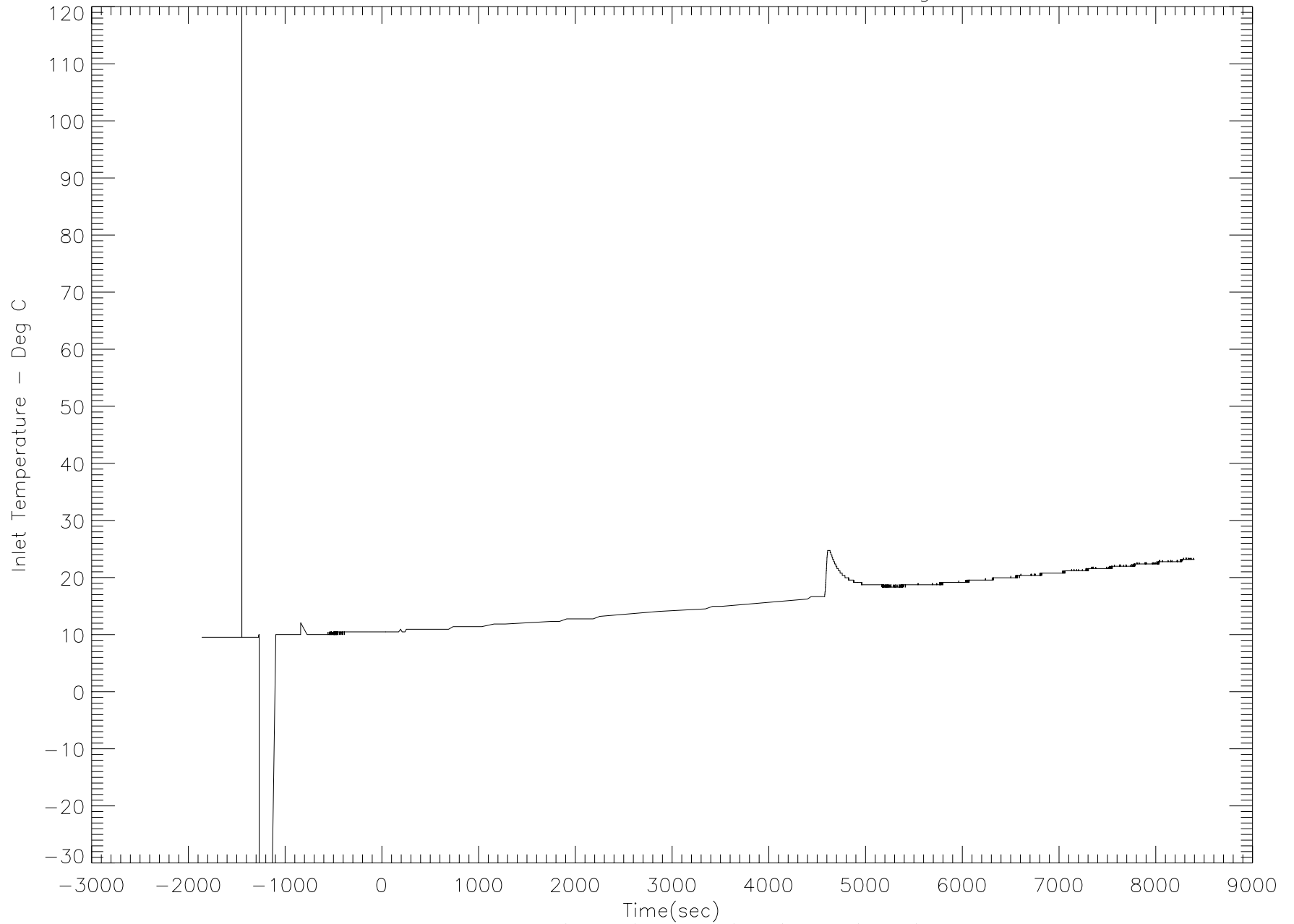
GCMS IdleA Data Value vs. Relative Time, Page 79



GCMS IdleA Data Value vs. Relative Time, Page 80

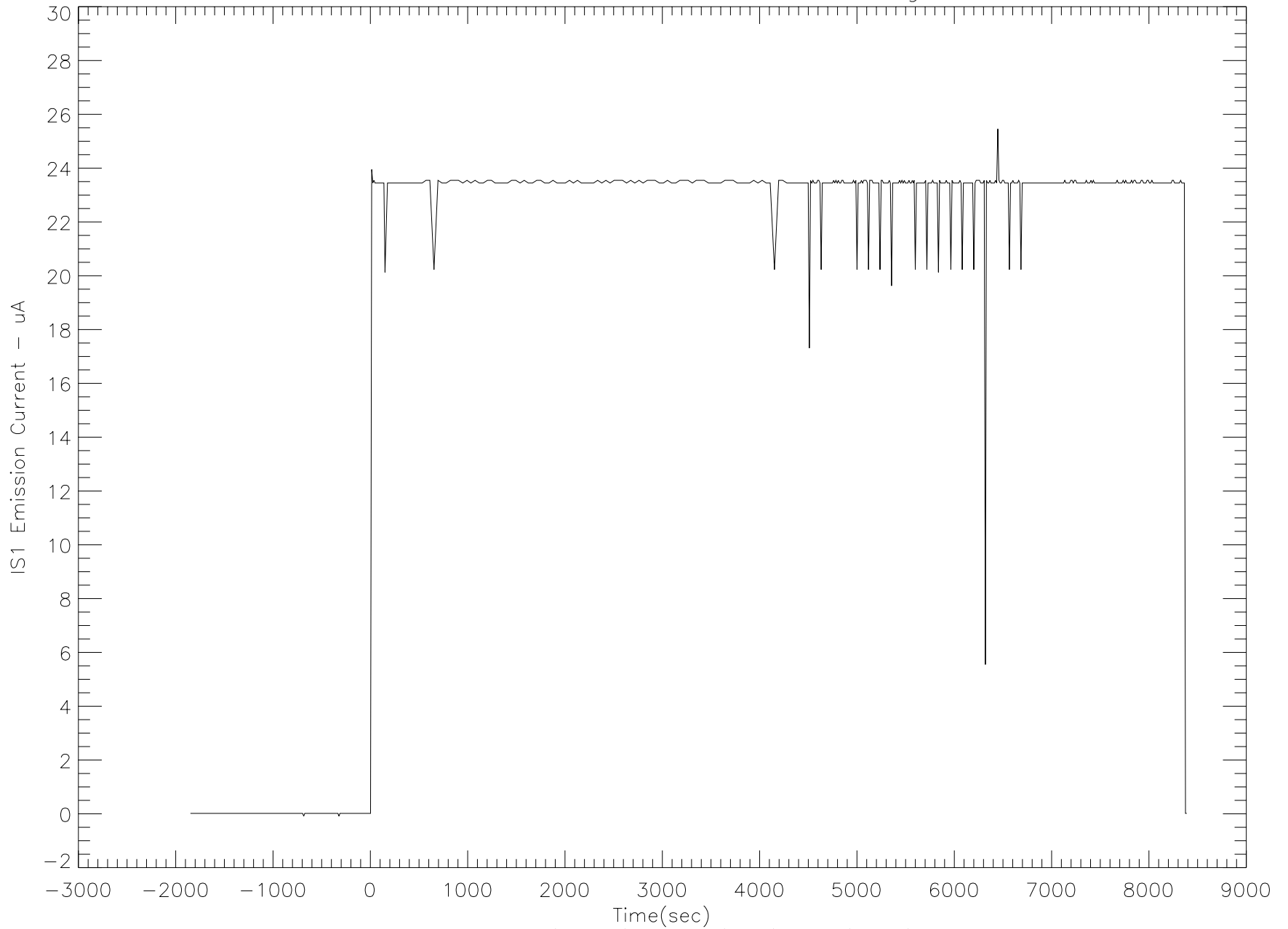


GCMS IdleA Data Value vs. Relative Time, Page 81

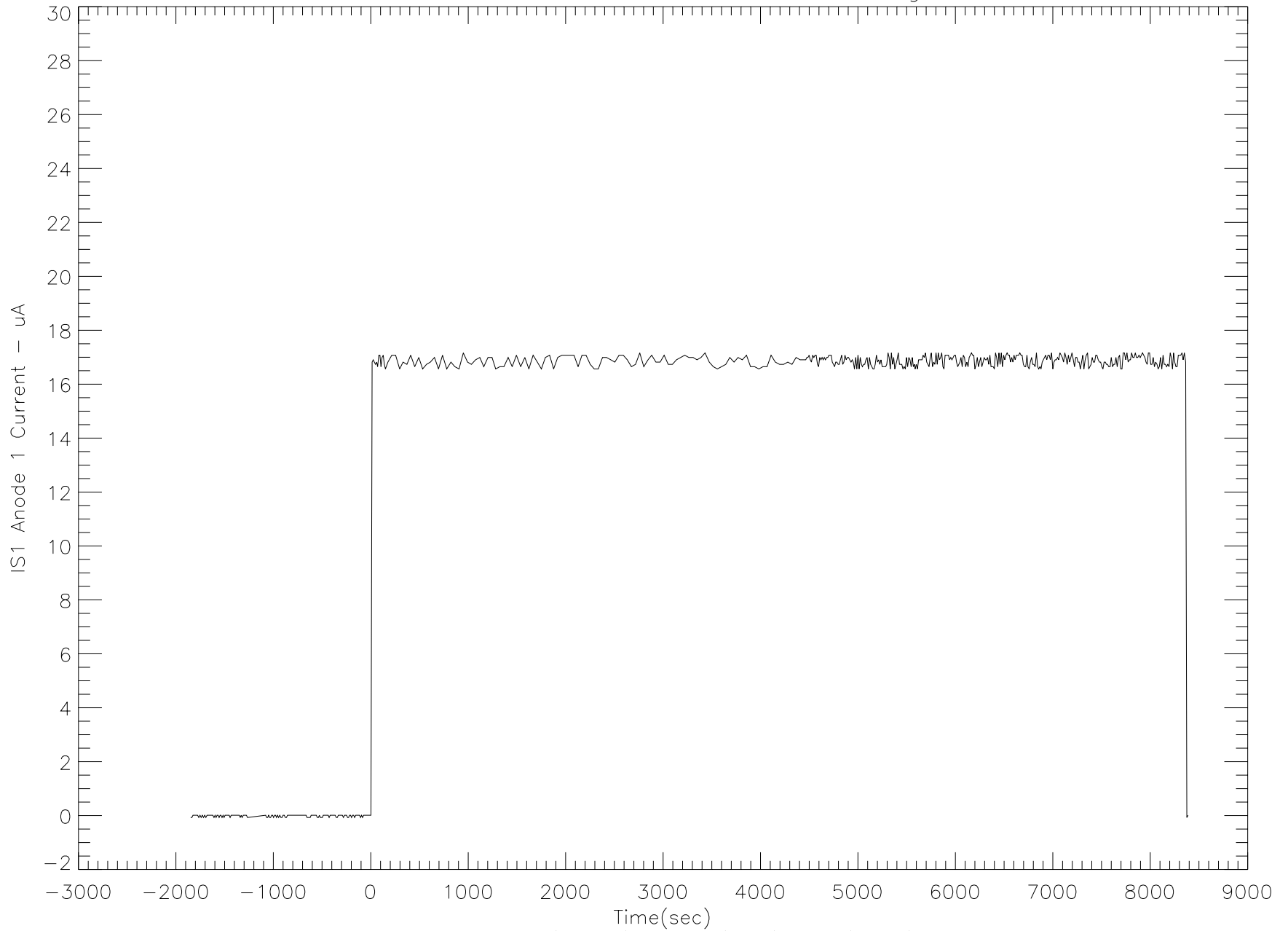




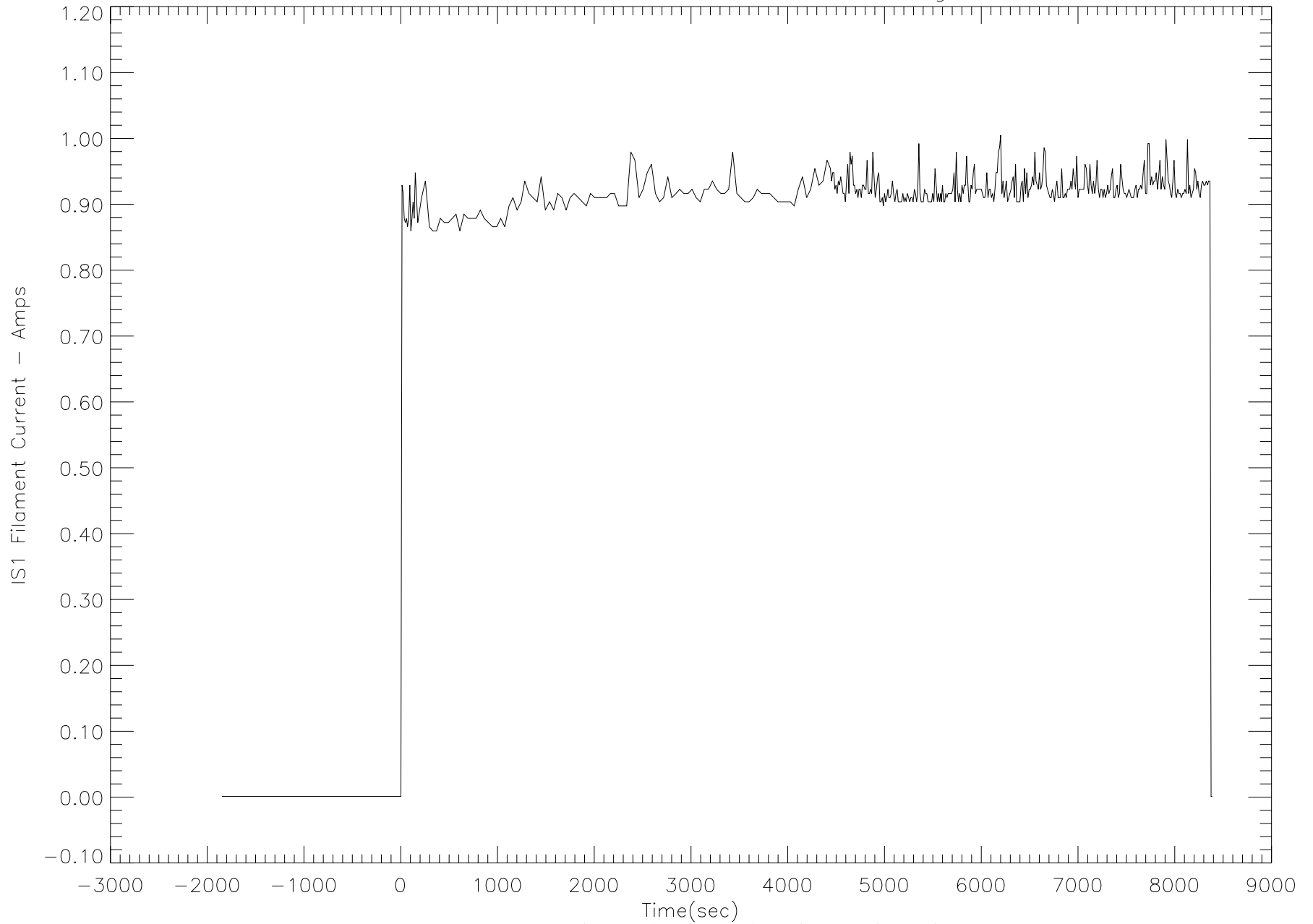
GCMS HK Data Value vs. Relative Time, Page 1



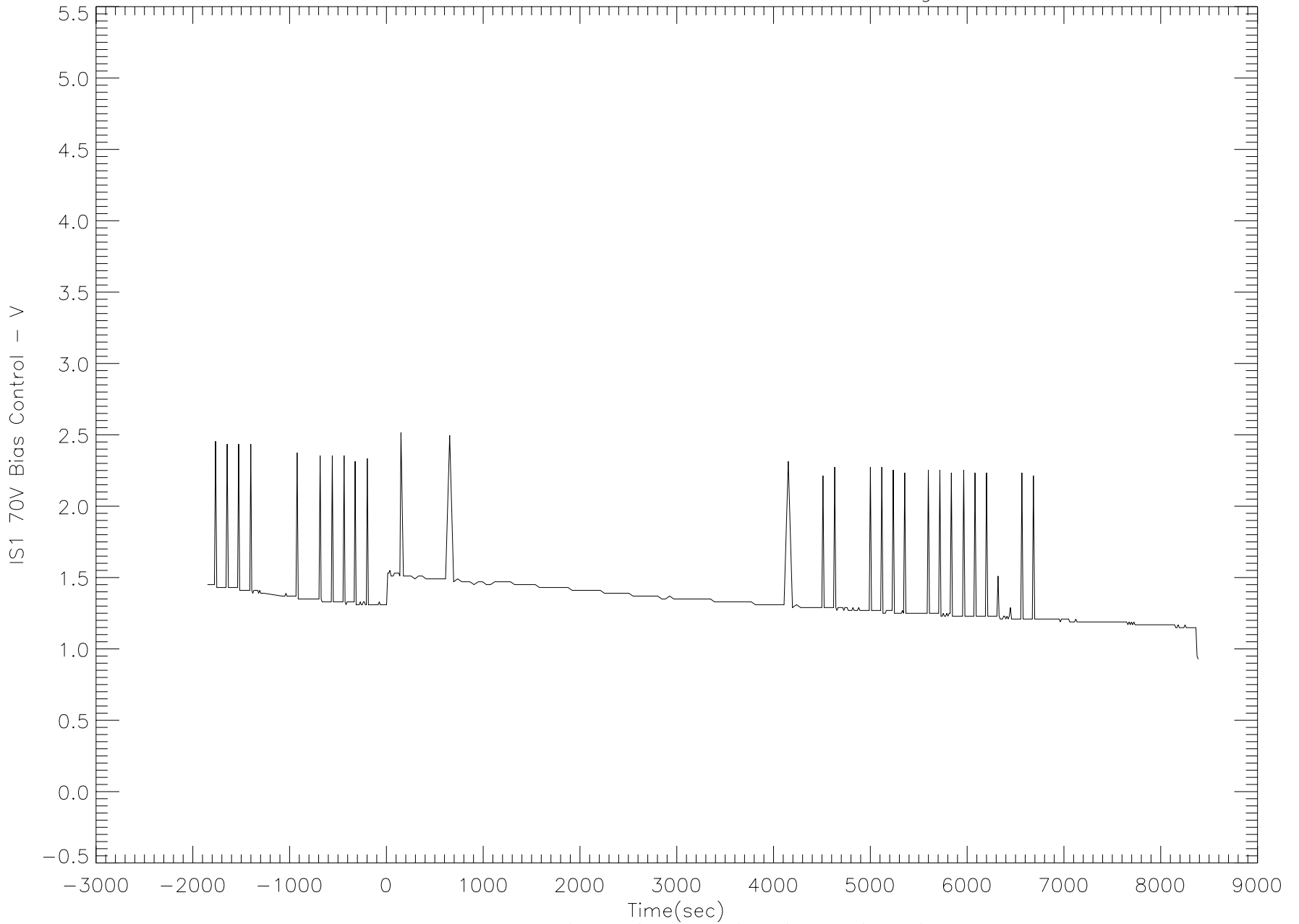
GCMS HK Data Value vs. Relative Time, Page 2



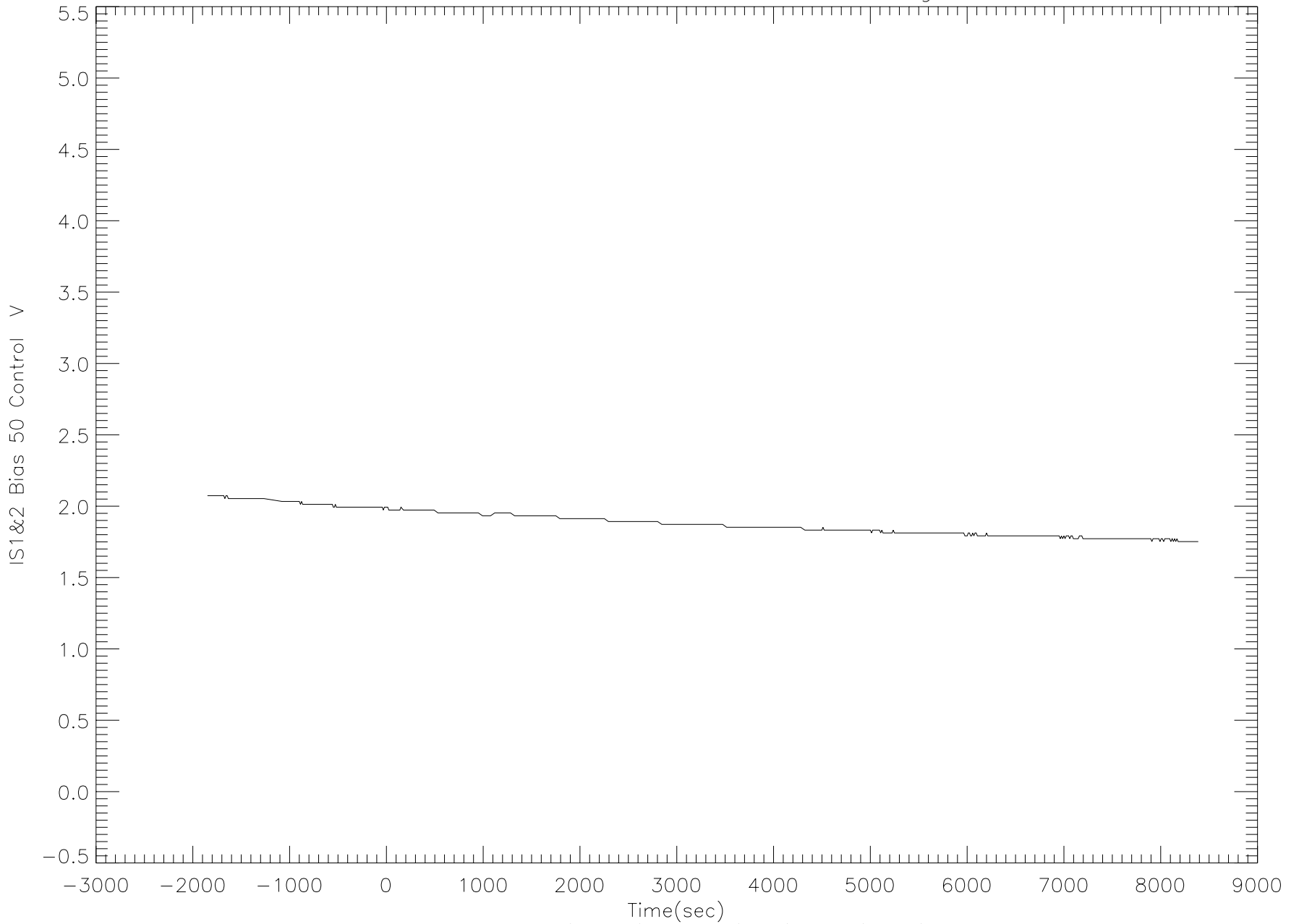
GCMS HK Data Value vs. Relative Time, Page 3



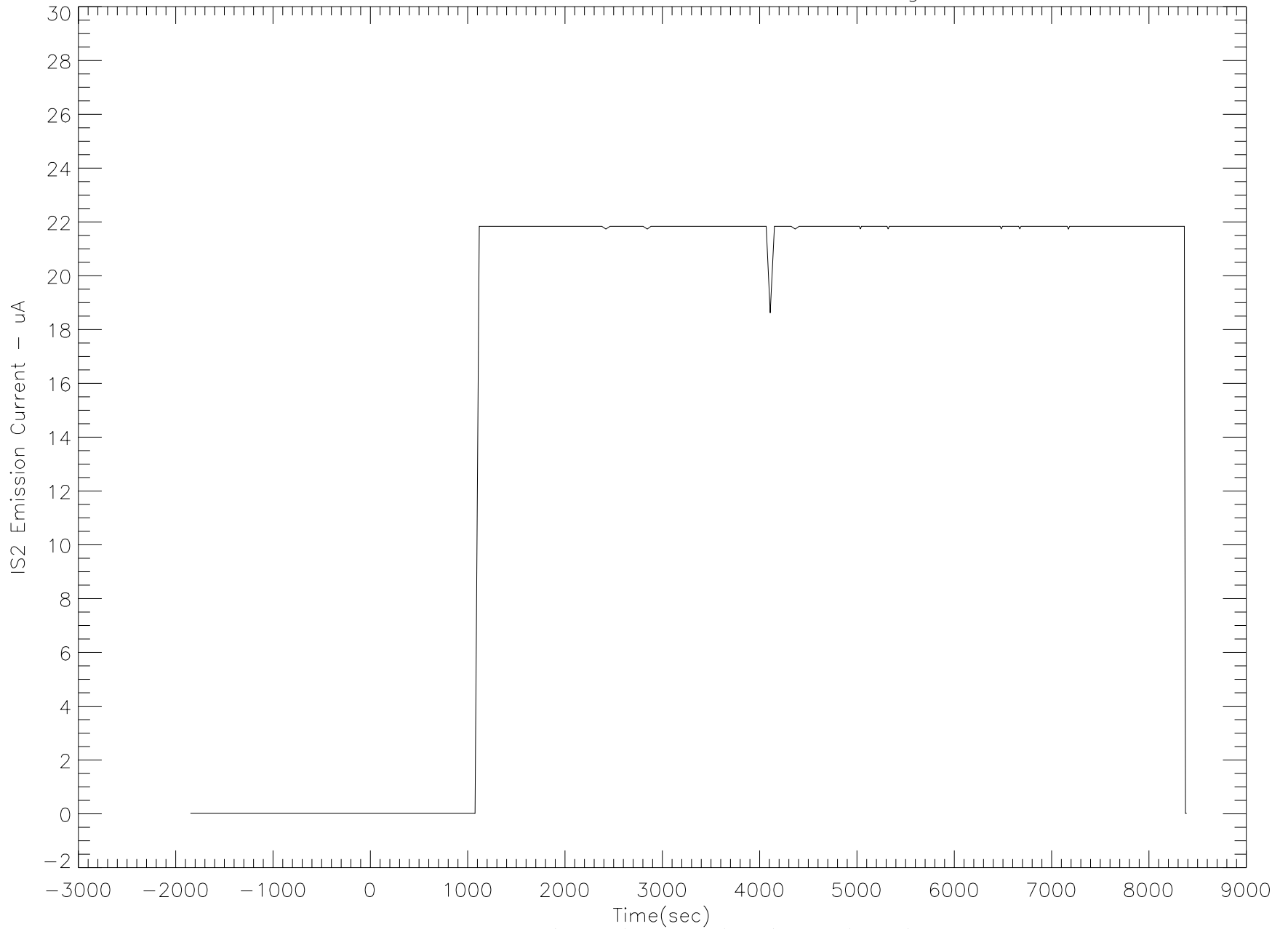
GCMS HK Data Value vs. Relative Time, Page 4



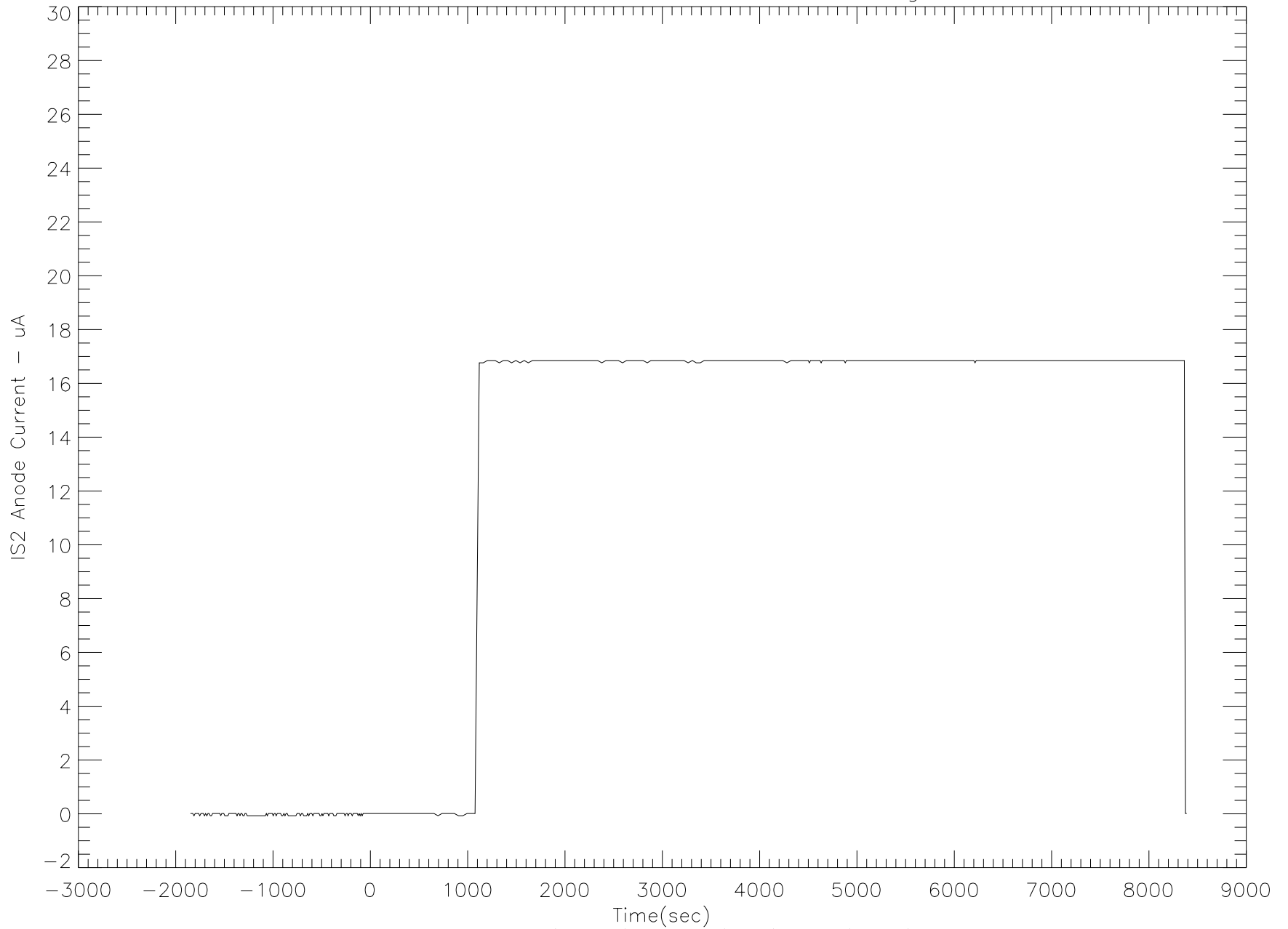
GCMS HK Data Value vs. Relative Time, Page 5



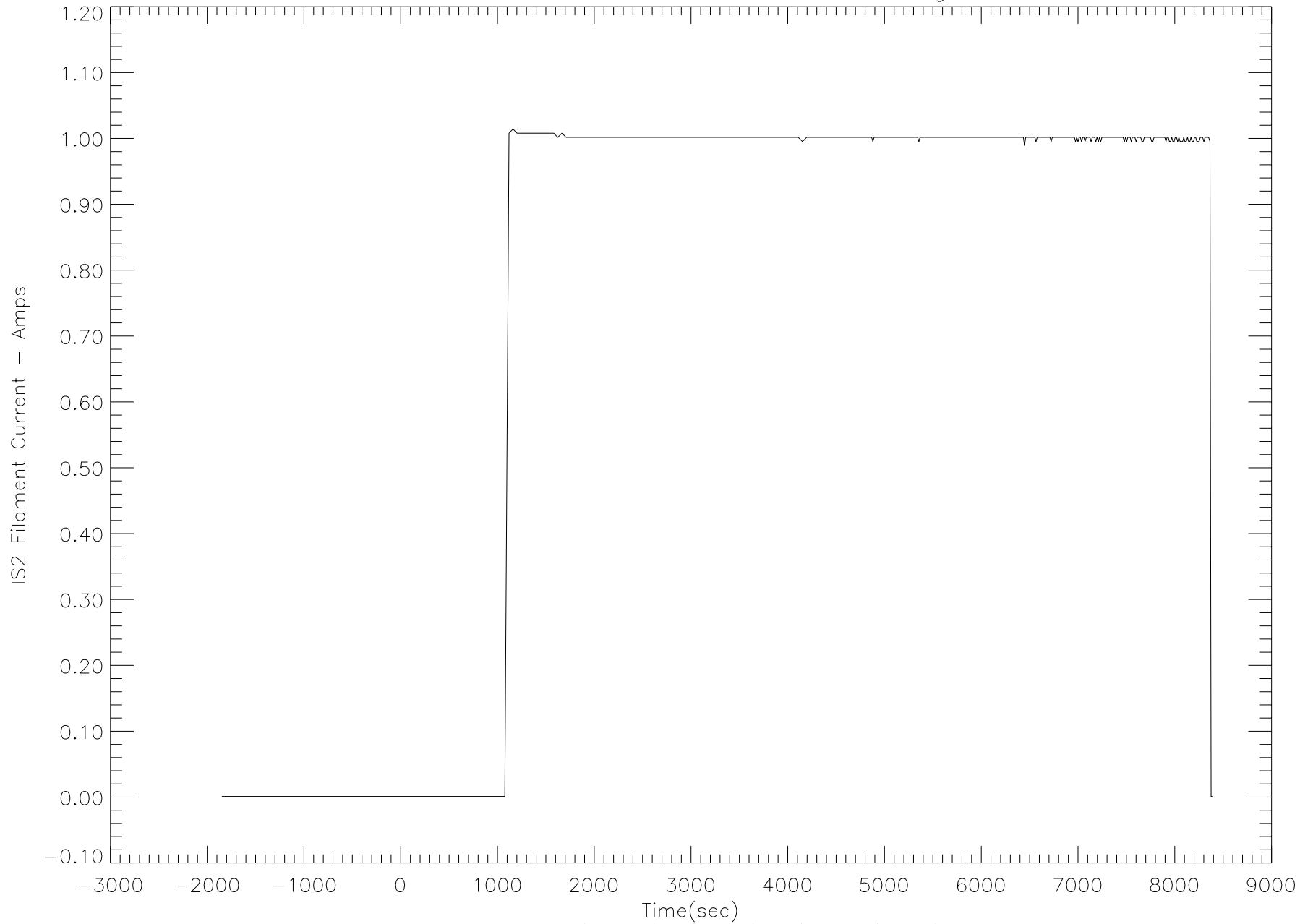
GCMS HK Data Value vs. Relative Time, Page 6



GCMS HK Data Value vs. Relative Time, Page 7

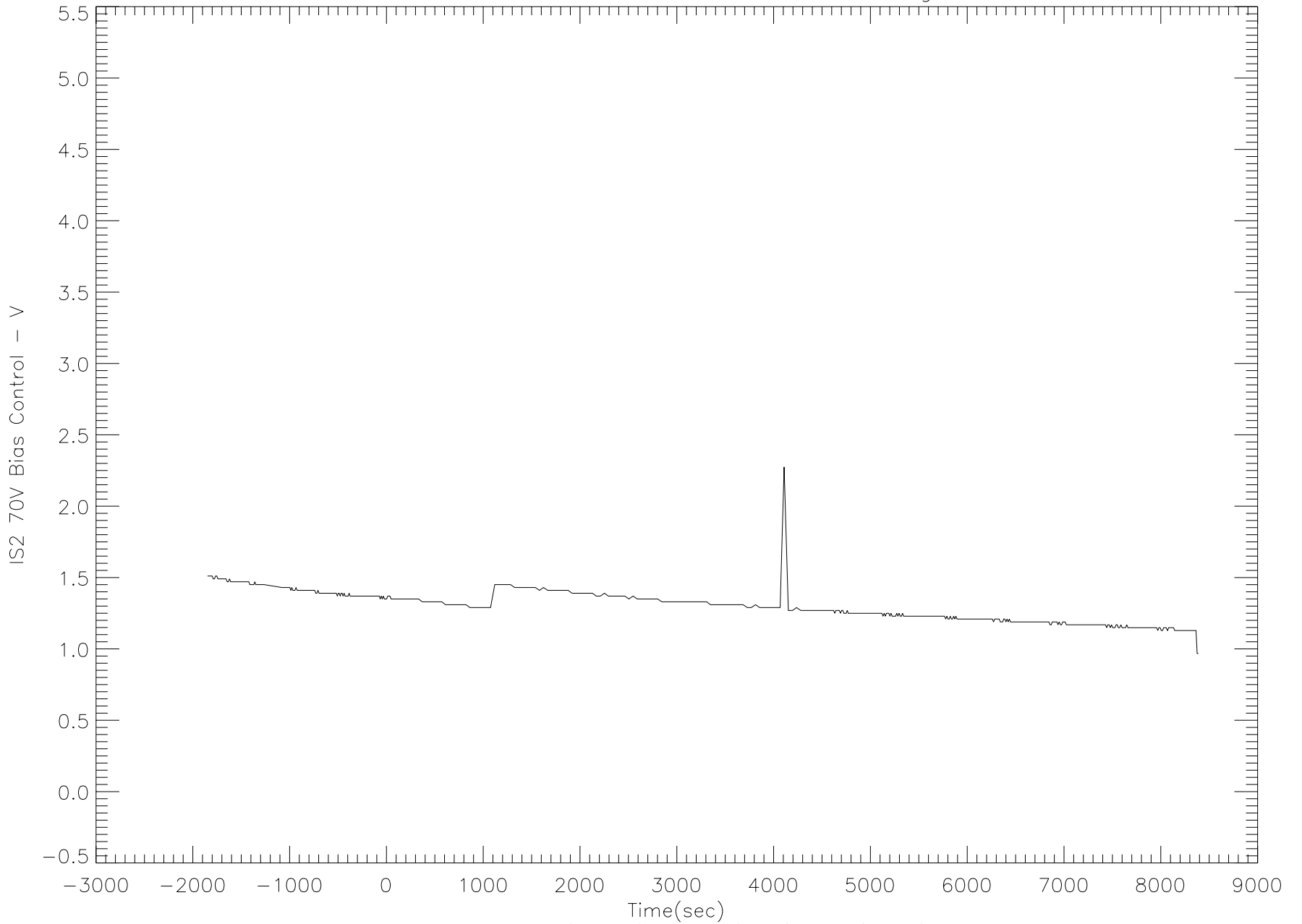


GCMS HK Data Value vs. Relative Time, Page 8

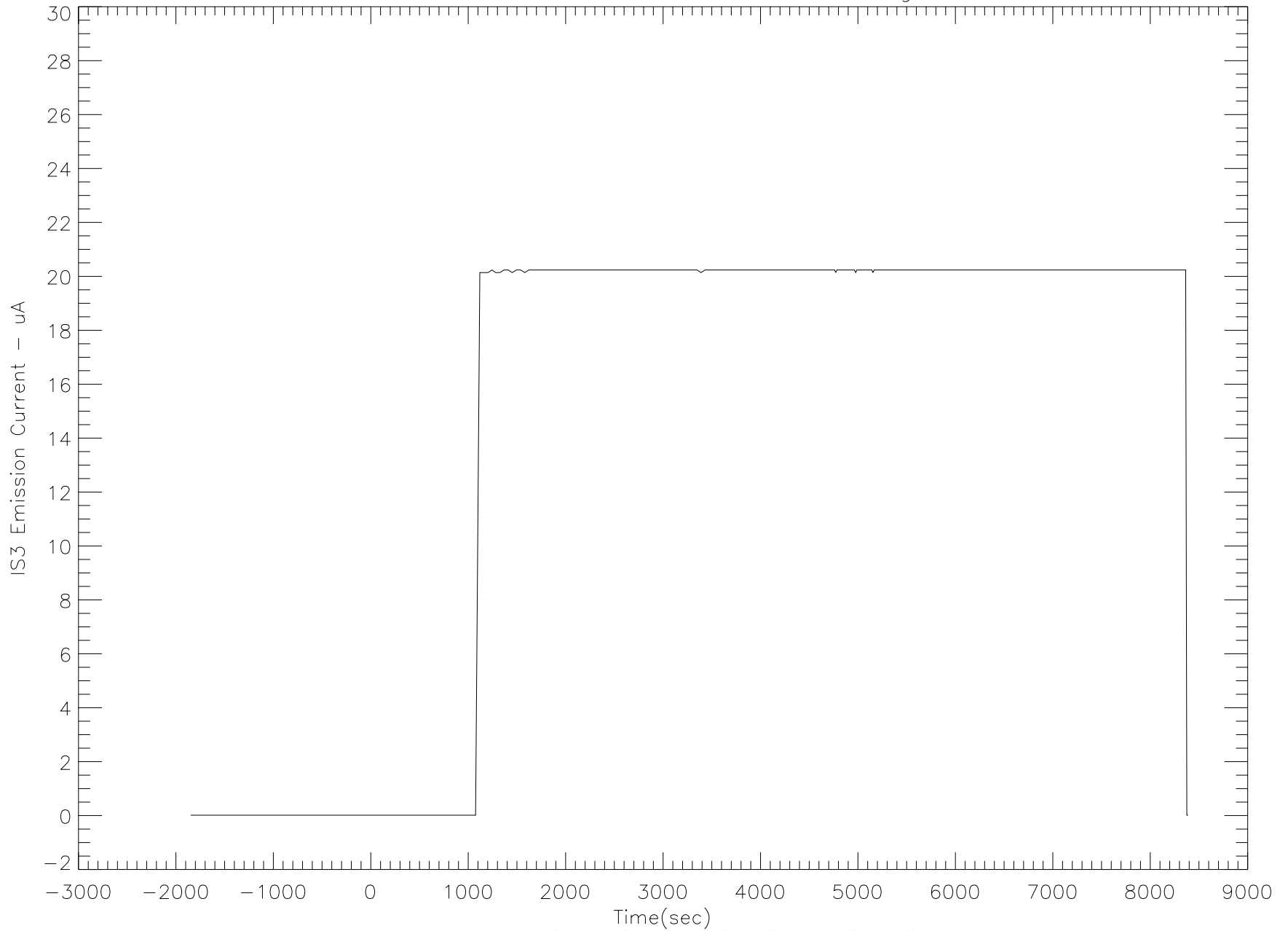


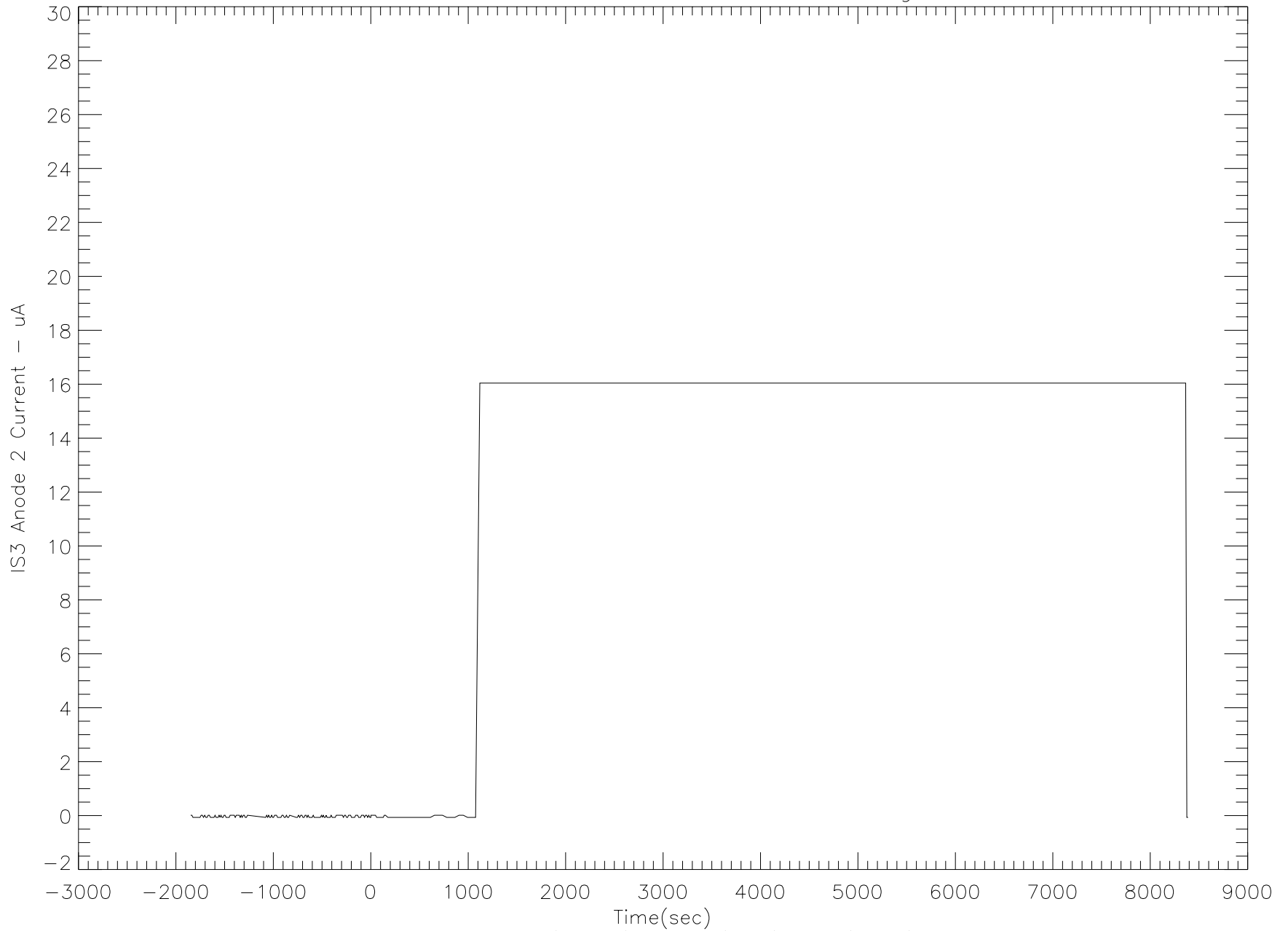


GCMS HK Data Value vs. Relative Time, Page 9

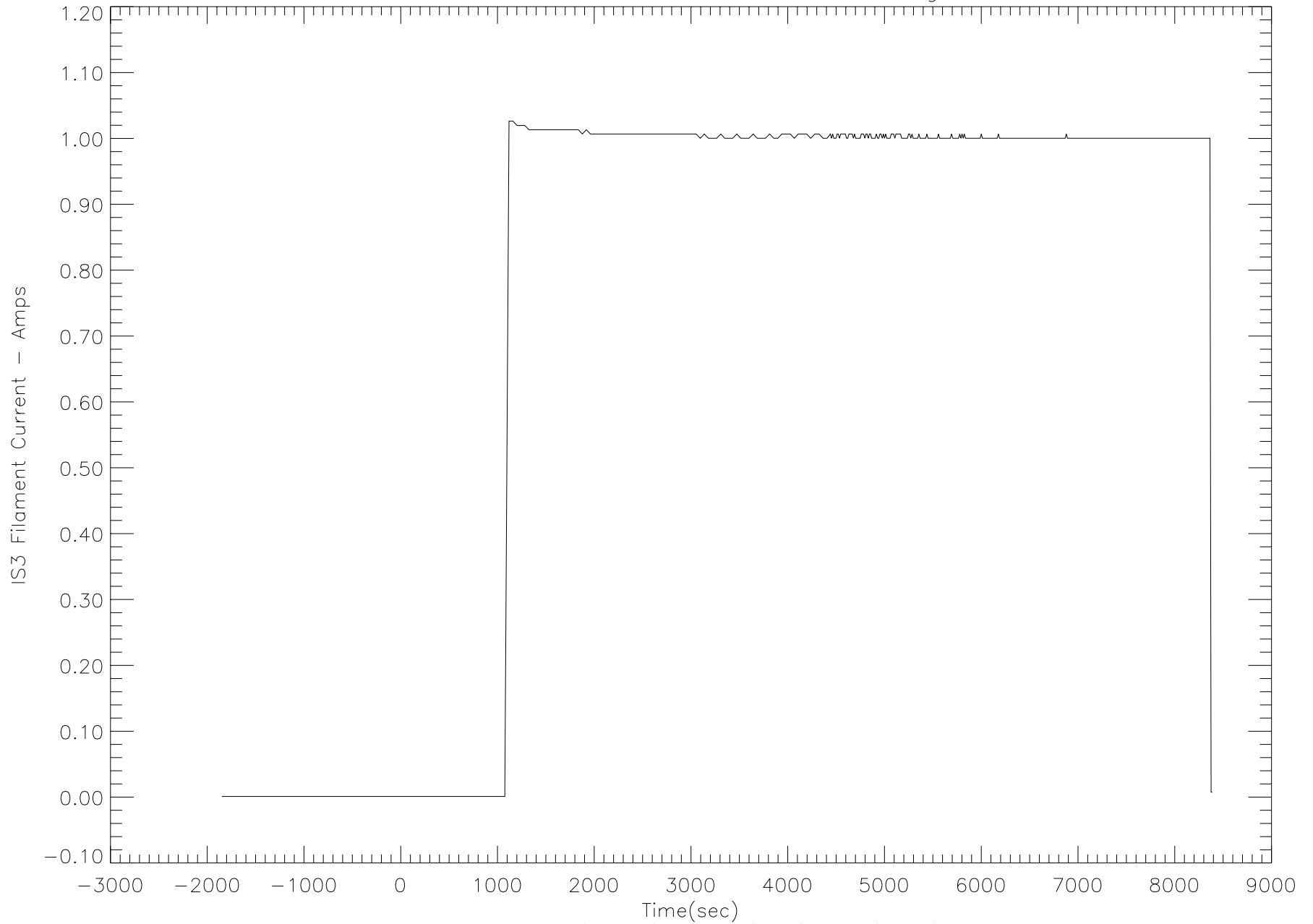


GCMS HK Data Value vs. Relative Time, Page 10

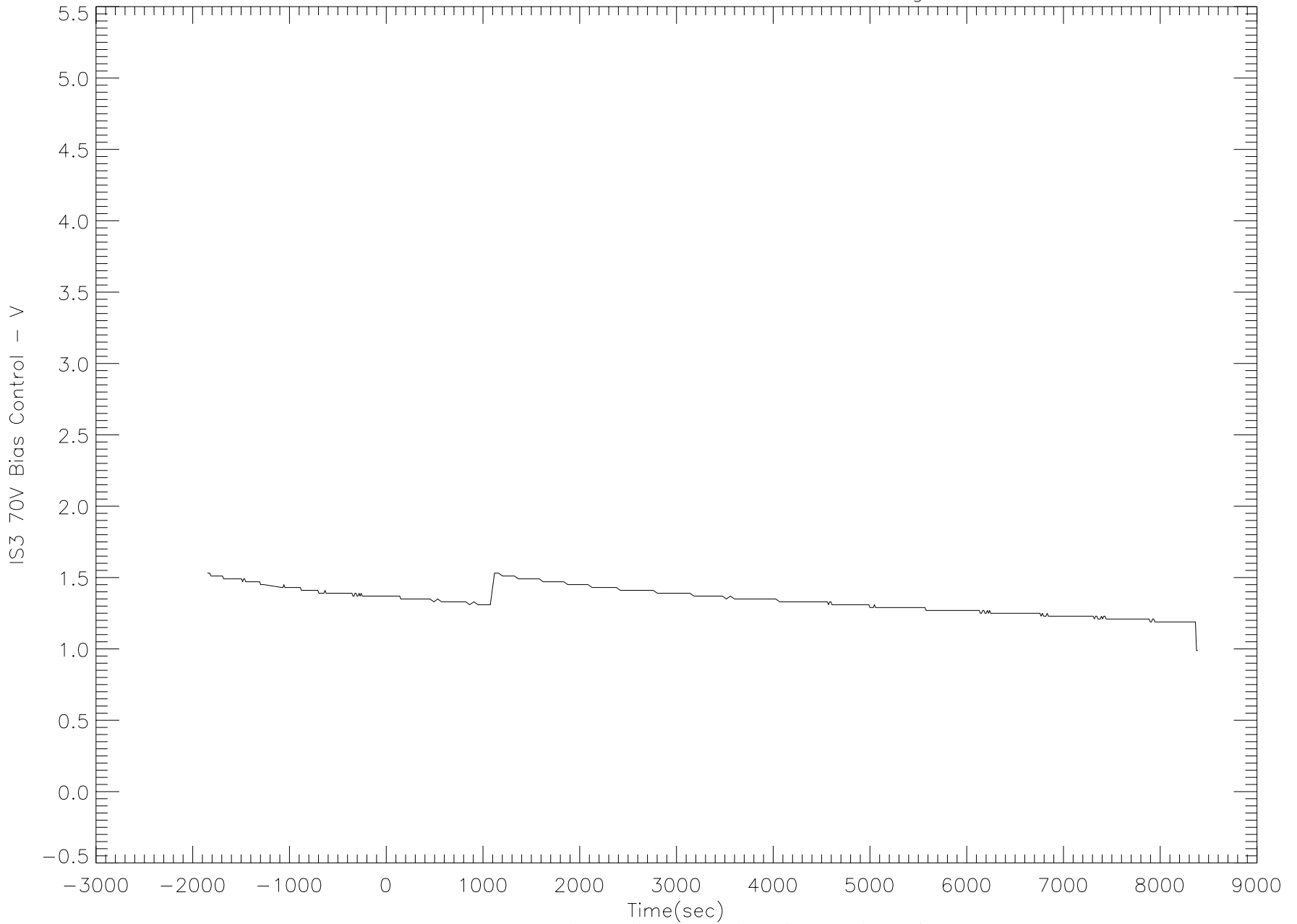




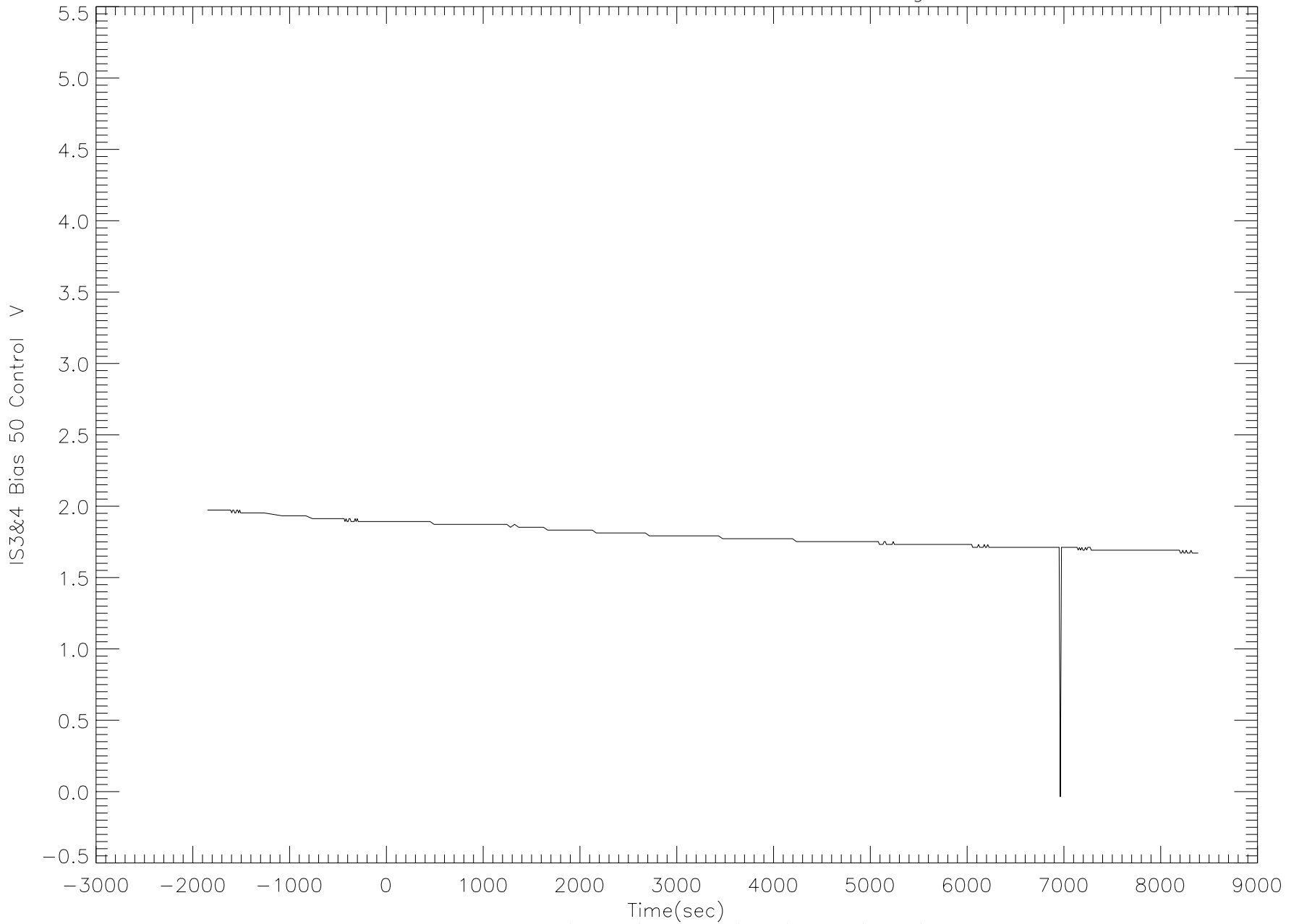
GCMS HK Data Value vs. Relative Time, Page 12



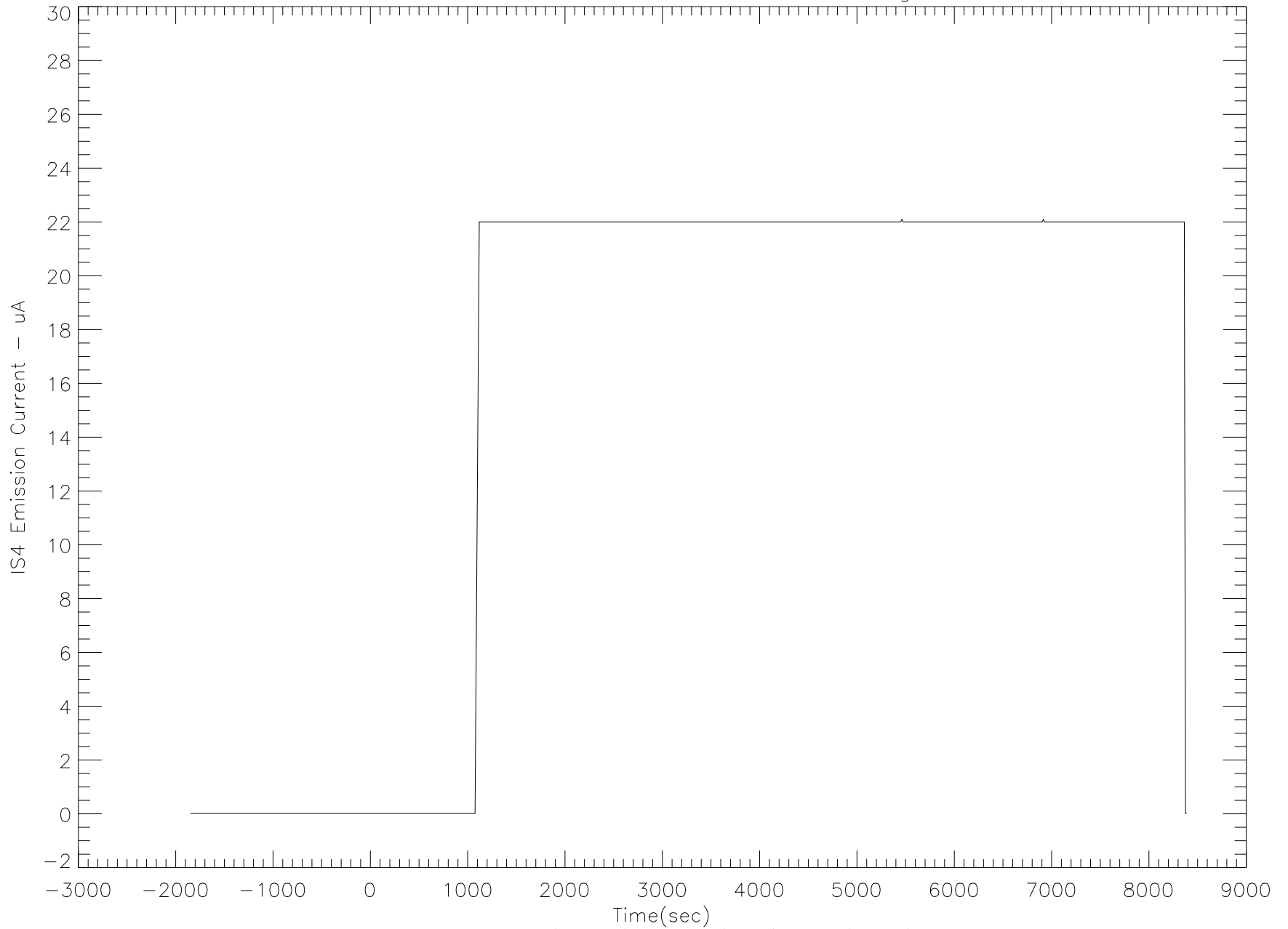
GCMS HK Data Value vs. Relative Time, Page 13



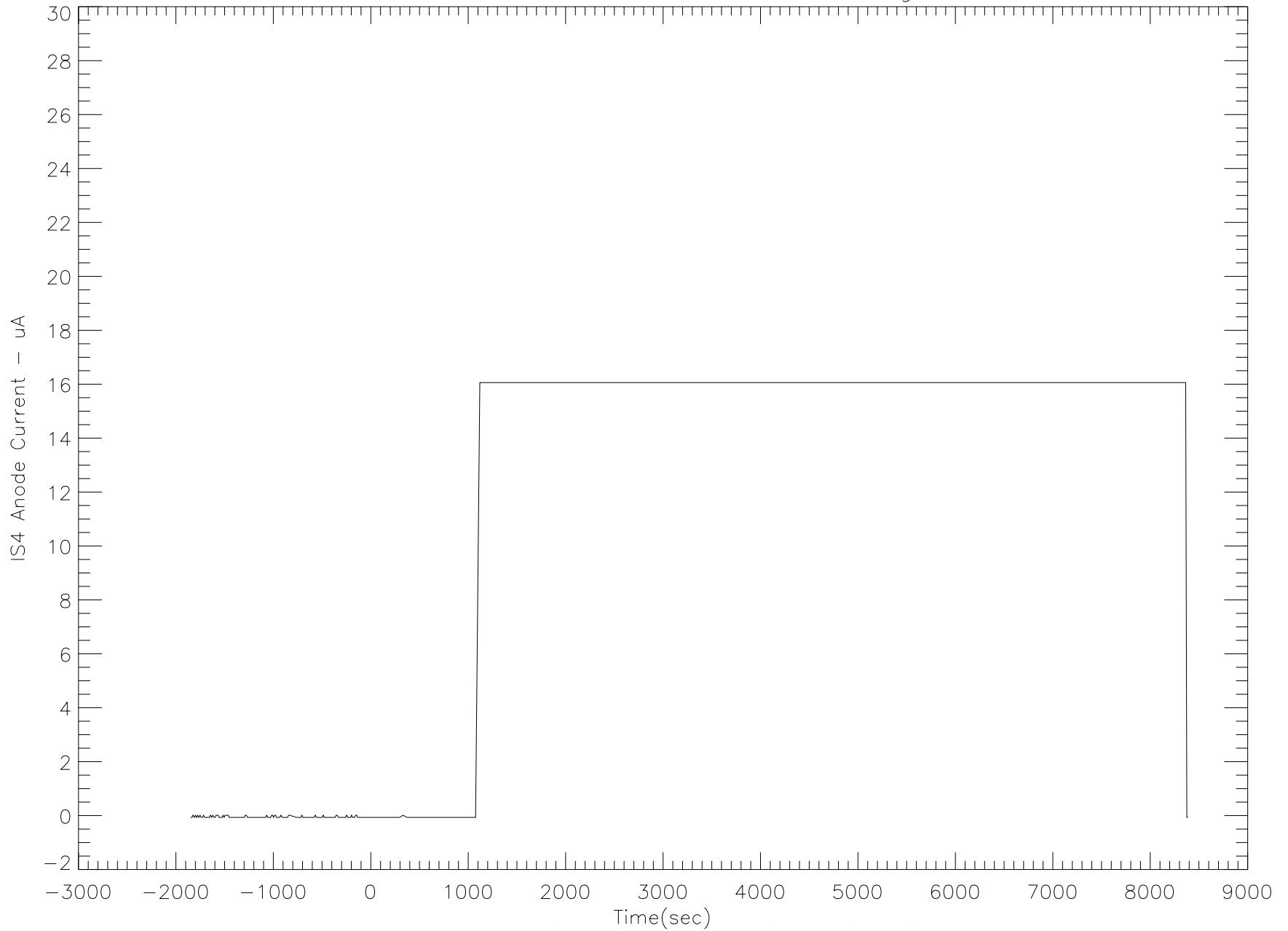
GCMS HK Data Value vs. Relative Time, Page 14



GCMS HK Data Value vs. Relative Time, Page 15

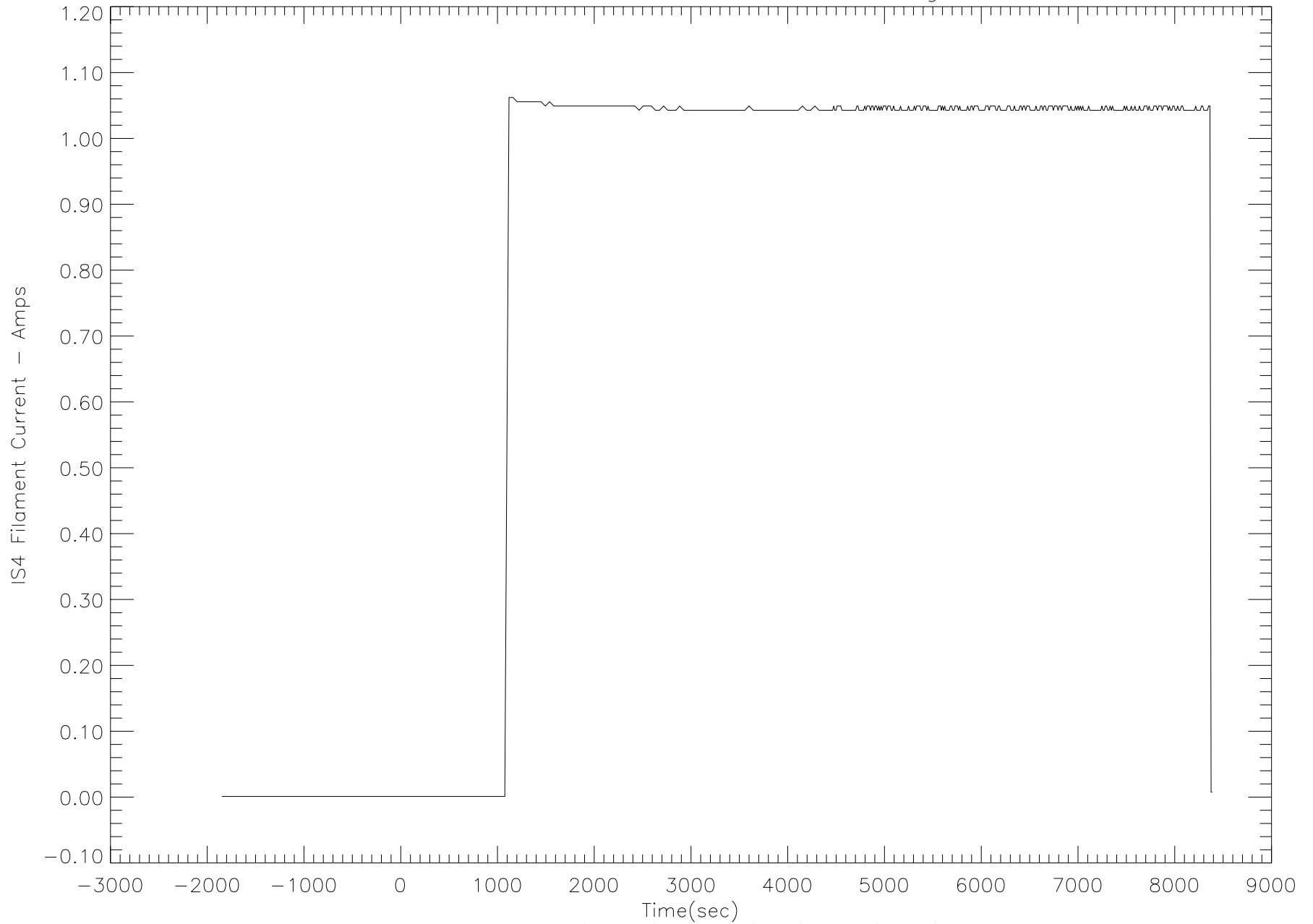


GCMS HK Data Value vs. Relative Time, Page 16

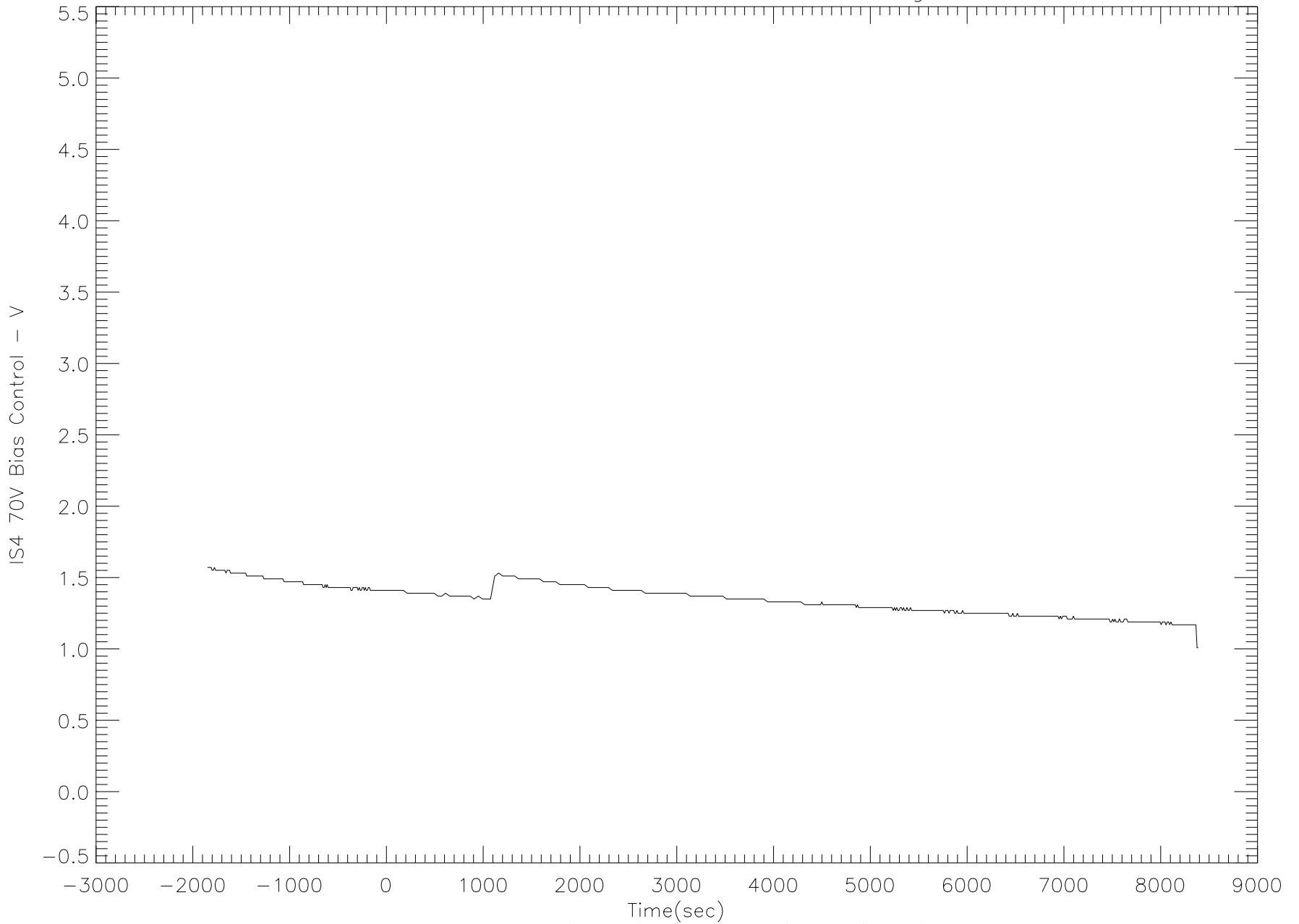




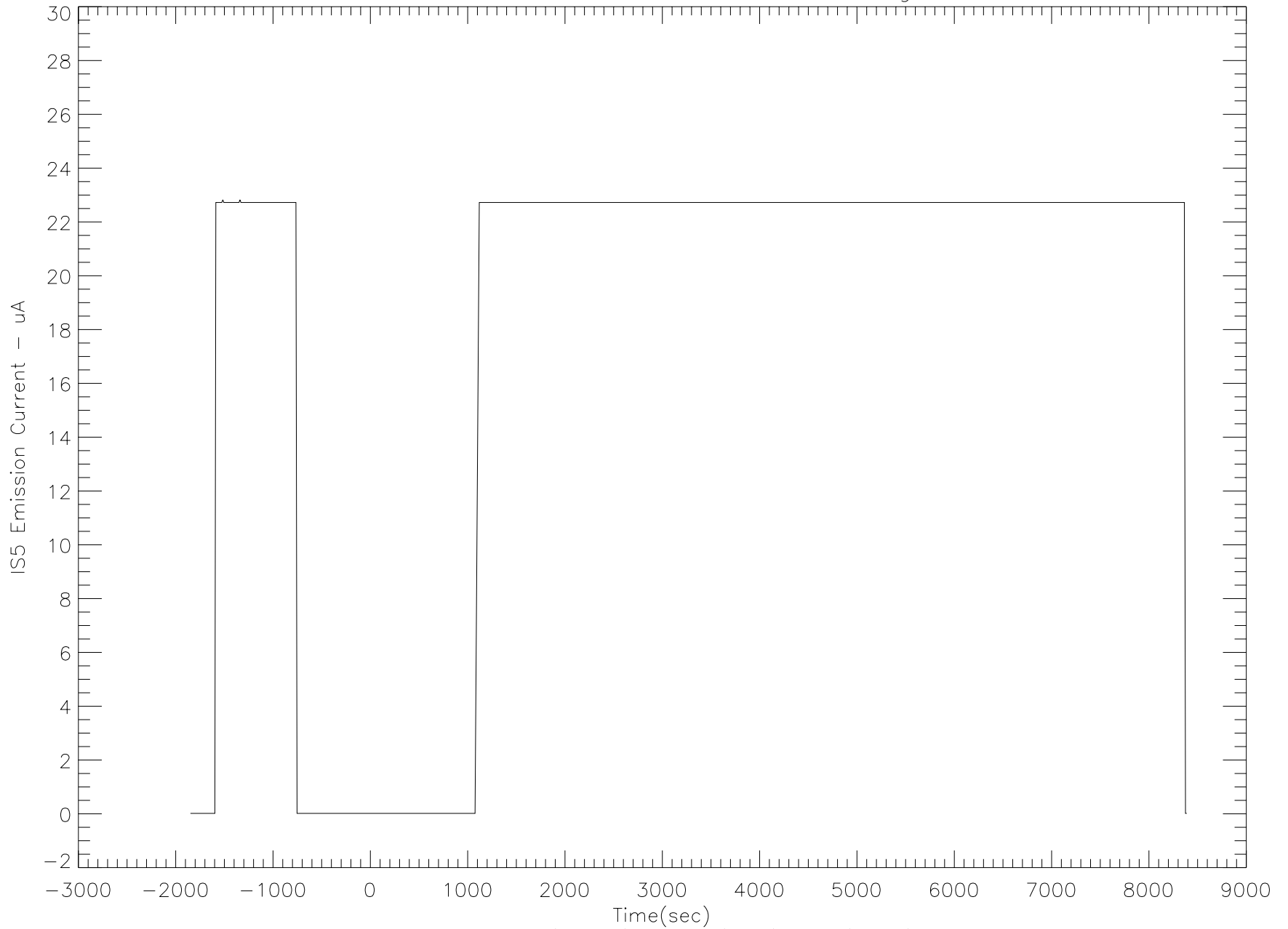
GCMS HK Data Value vs. Relative Time, Page 17



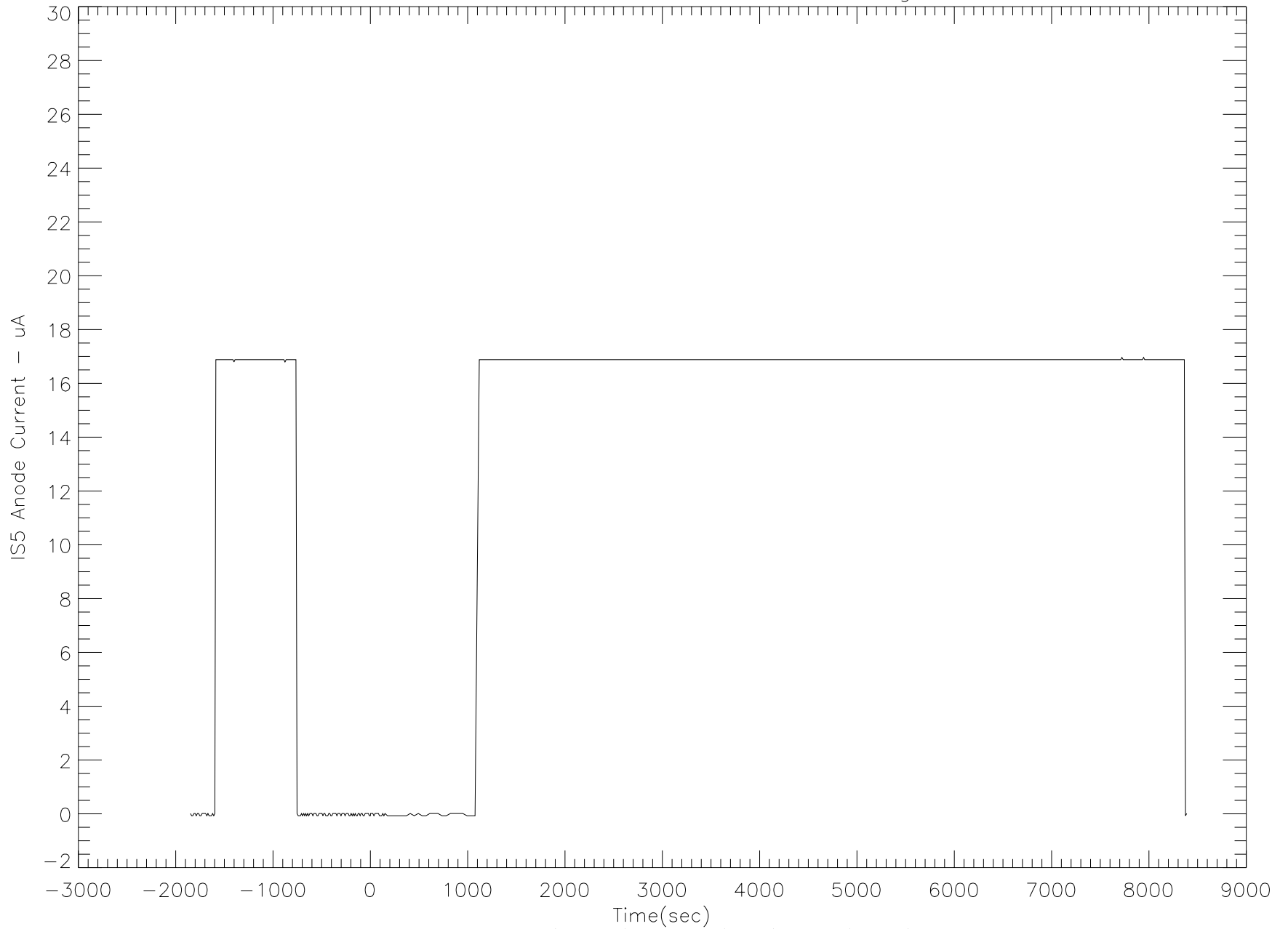
GCMS HK Data Value vs. Relative Time, Page 18



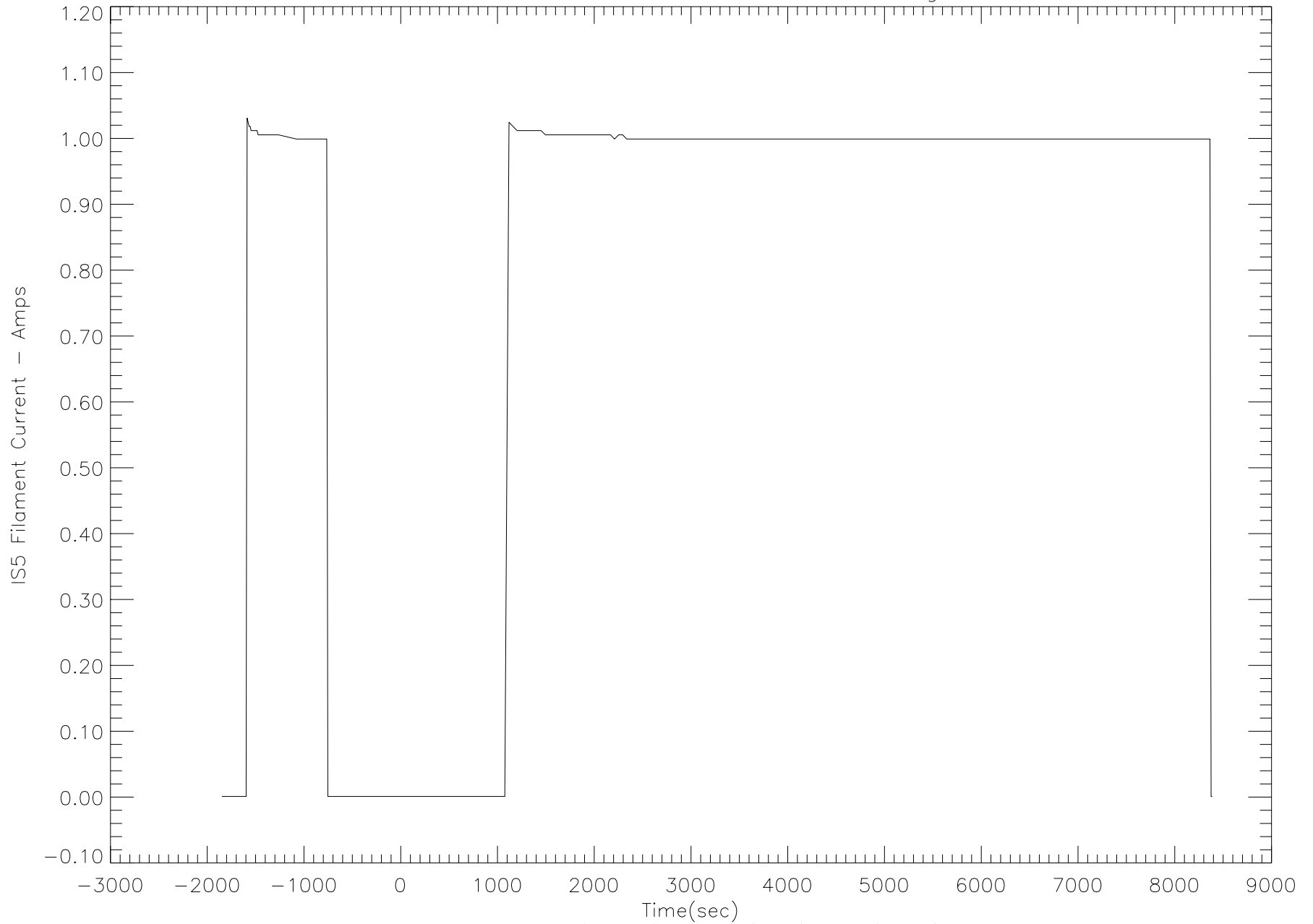
GCMS HK Data Value vs. Relative Time, Page 19



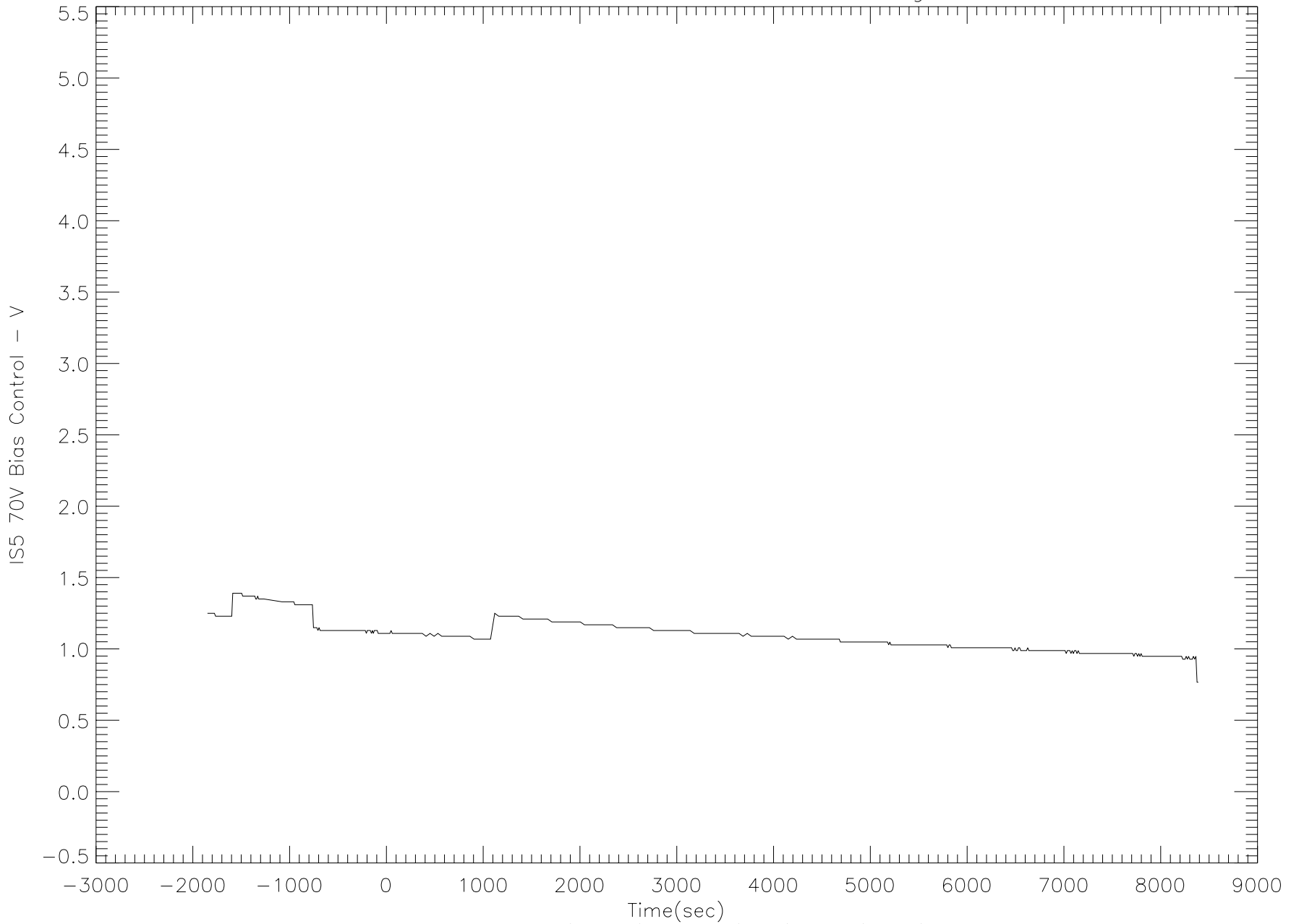
GCMS HK Data Value vs. Relative Time, Page 20



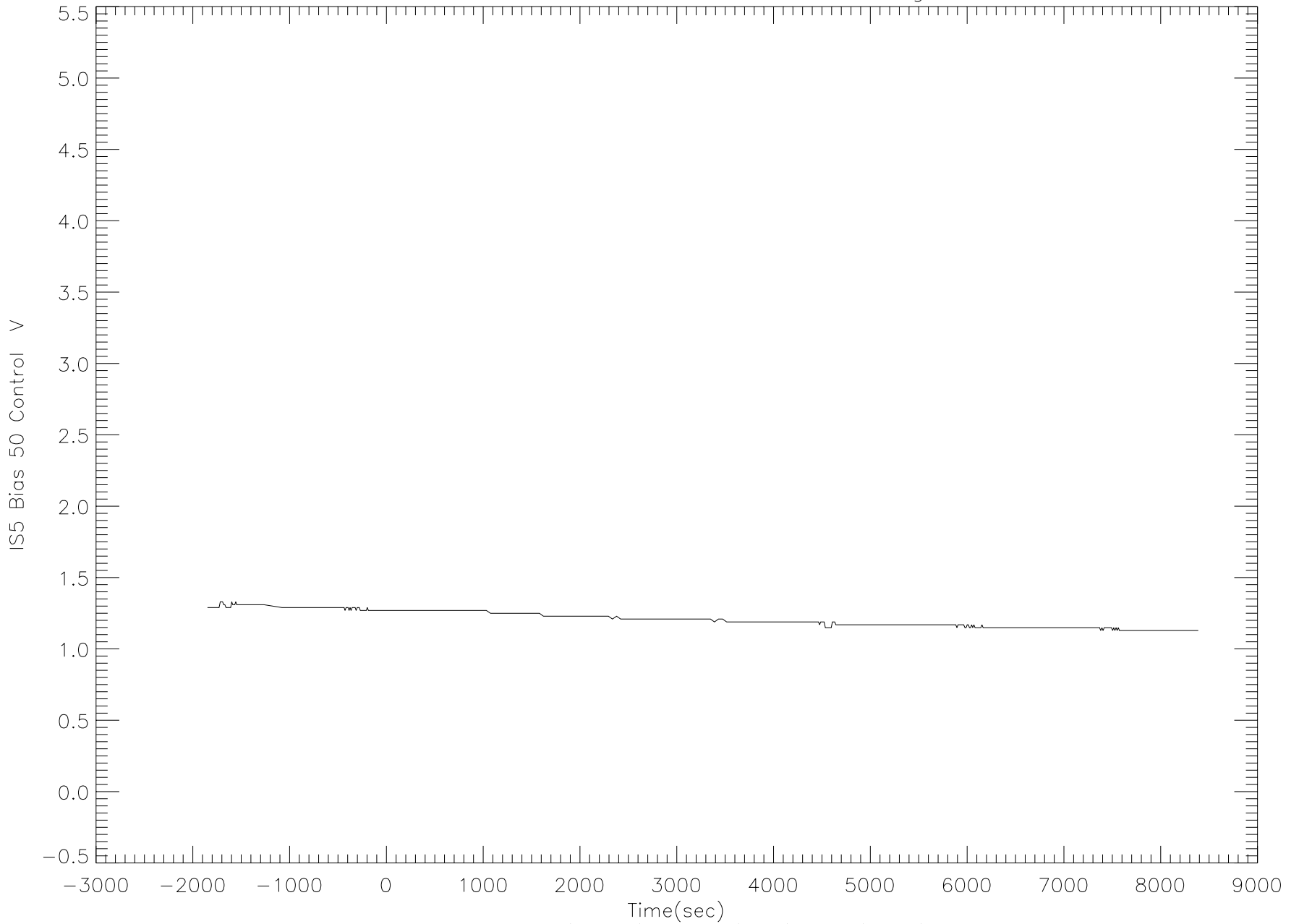
GCMS HK Data Value vs. Relative Time, Page 21



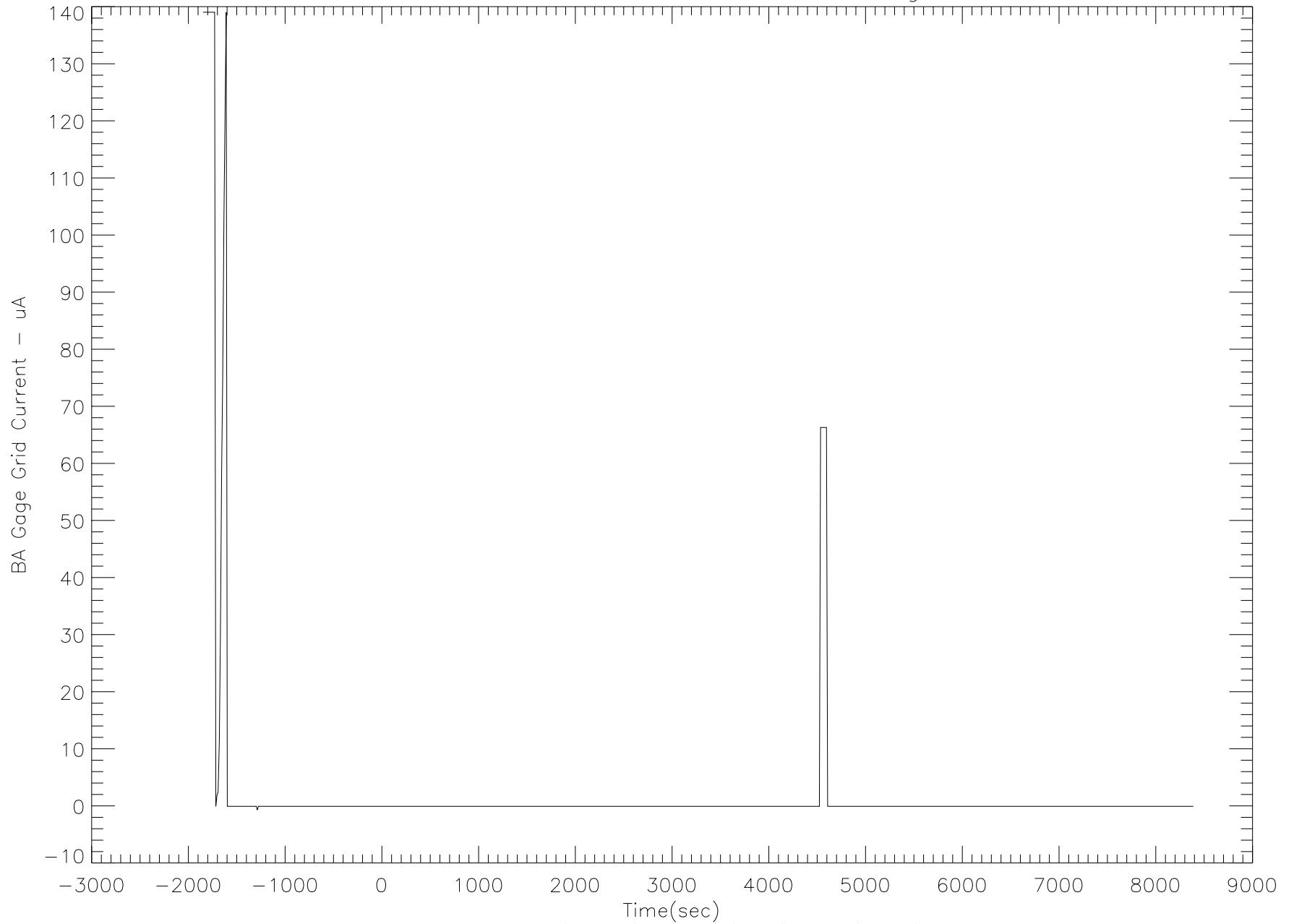
GCMS HK Data Value vs. Relative Time, Page 22



GCMS HK Data Value vs. Relative Time, Page 23

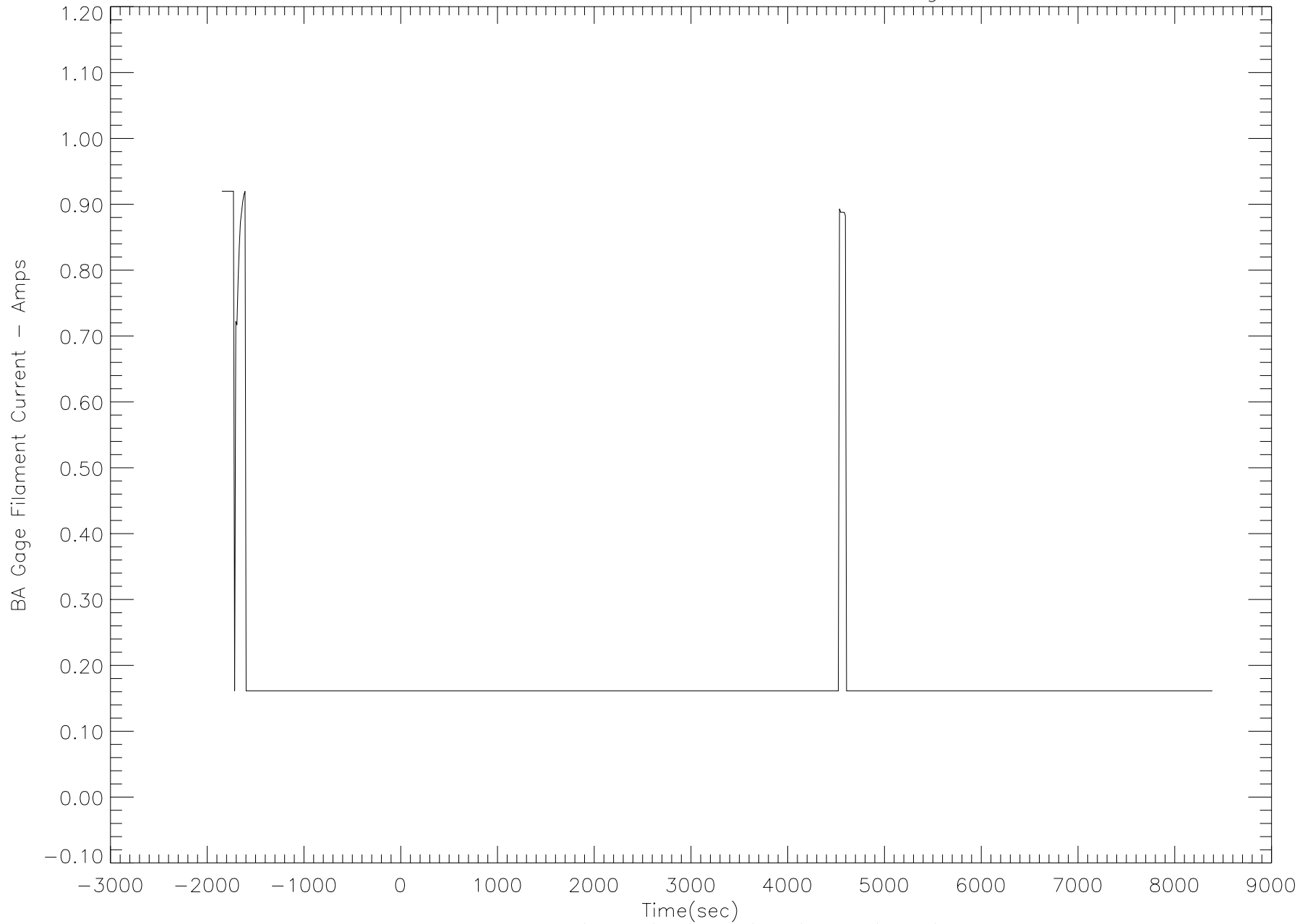


GCMS HK Data Value vs. Relative Time, Page 24

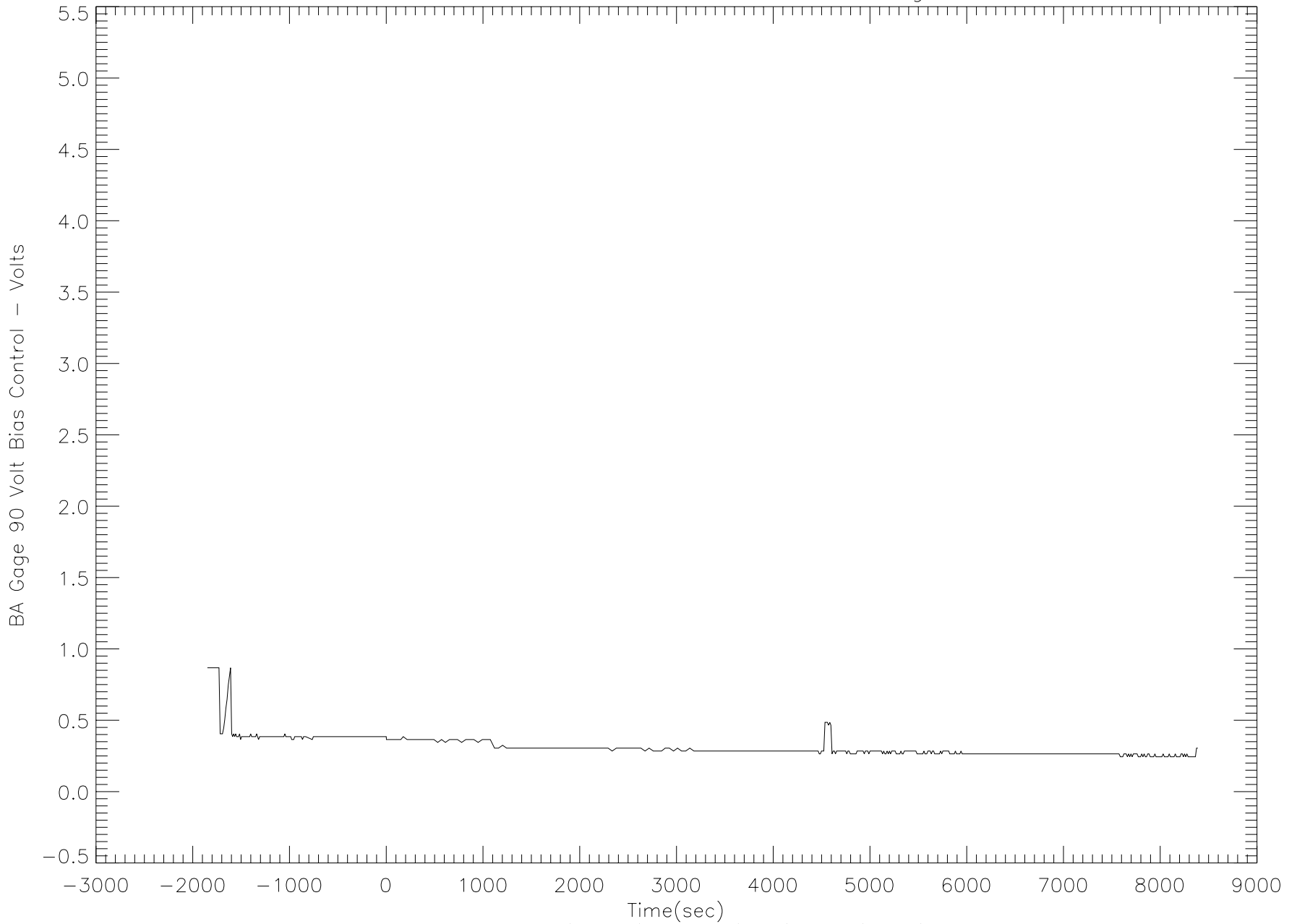




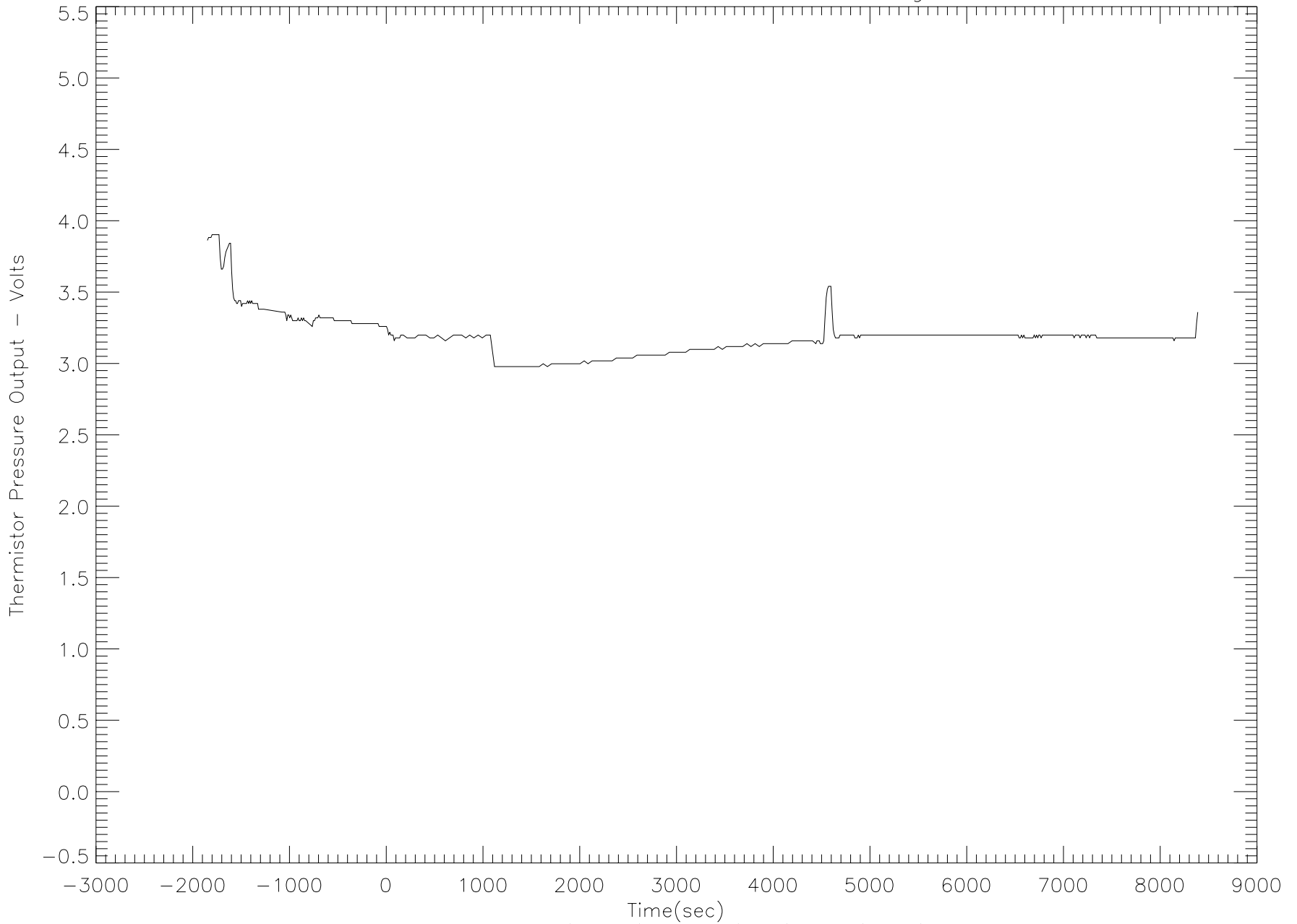
GCMS HK Data Value vs. Relative Time, Page 25



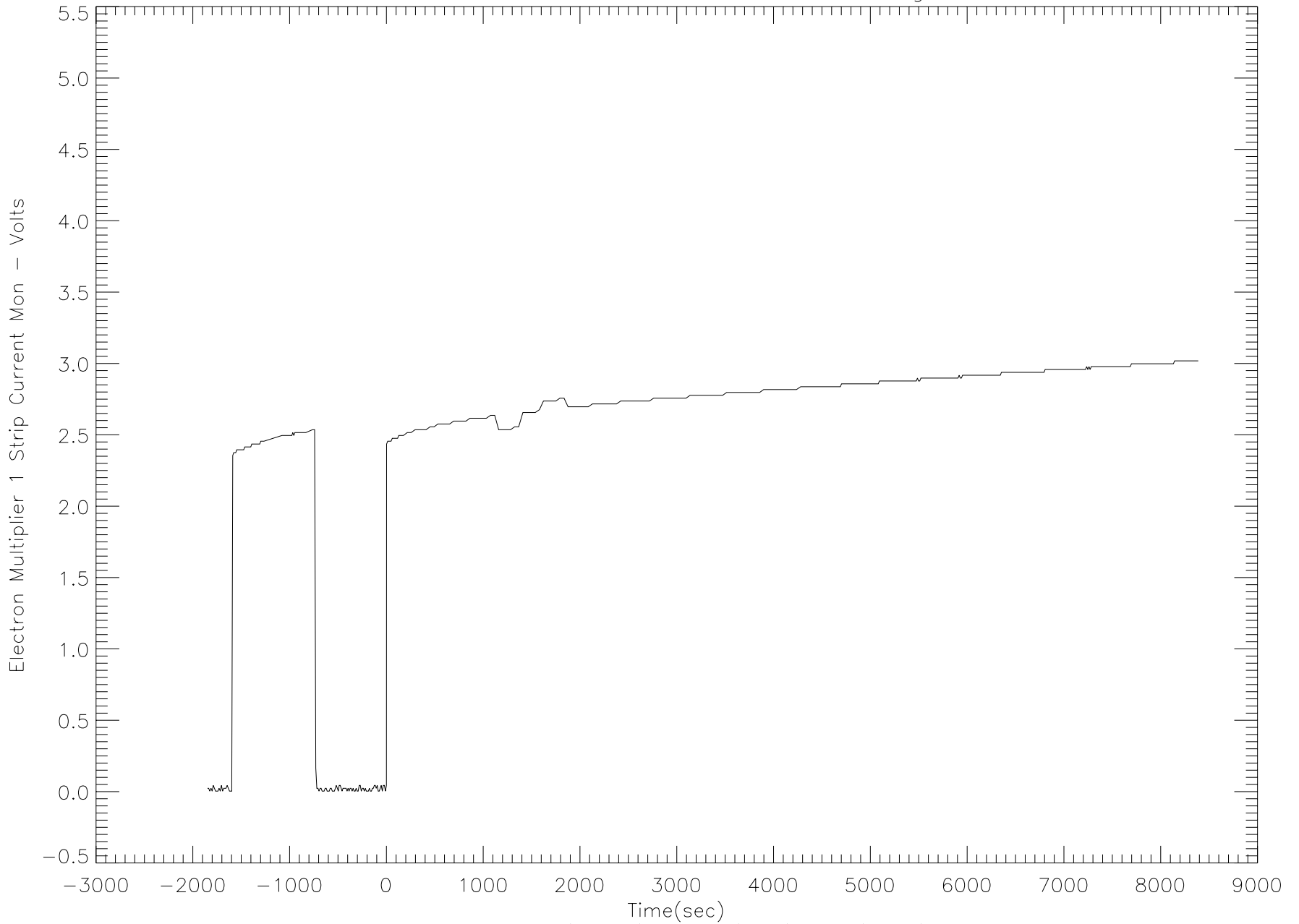
GCMS HK Data Value vs. Relative Time, Page 26



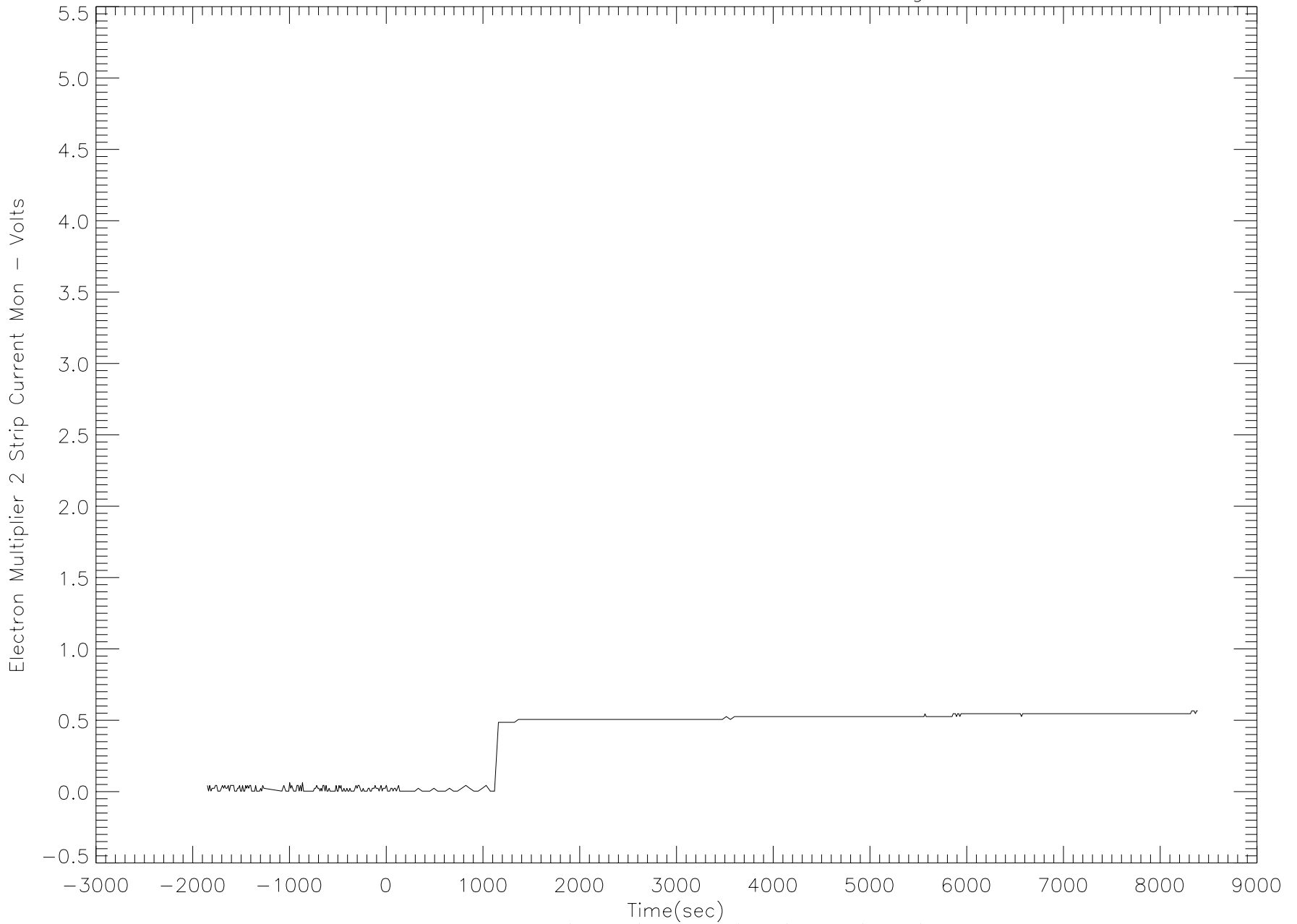
GCMS HK Data Value vs. Relative Time, Page 27



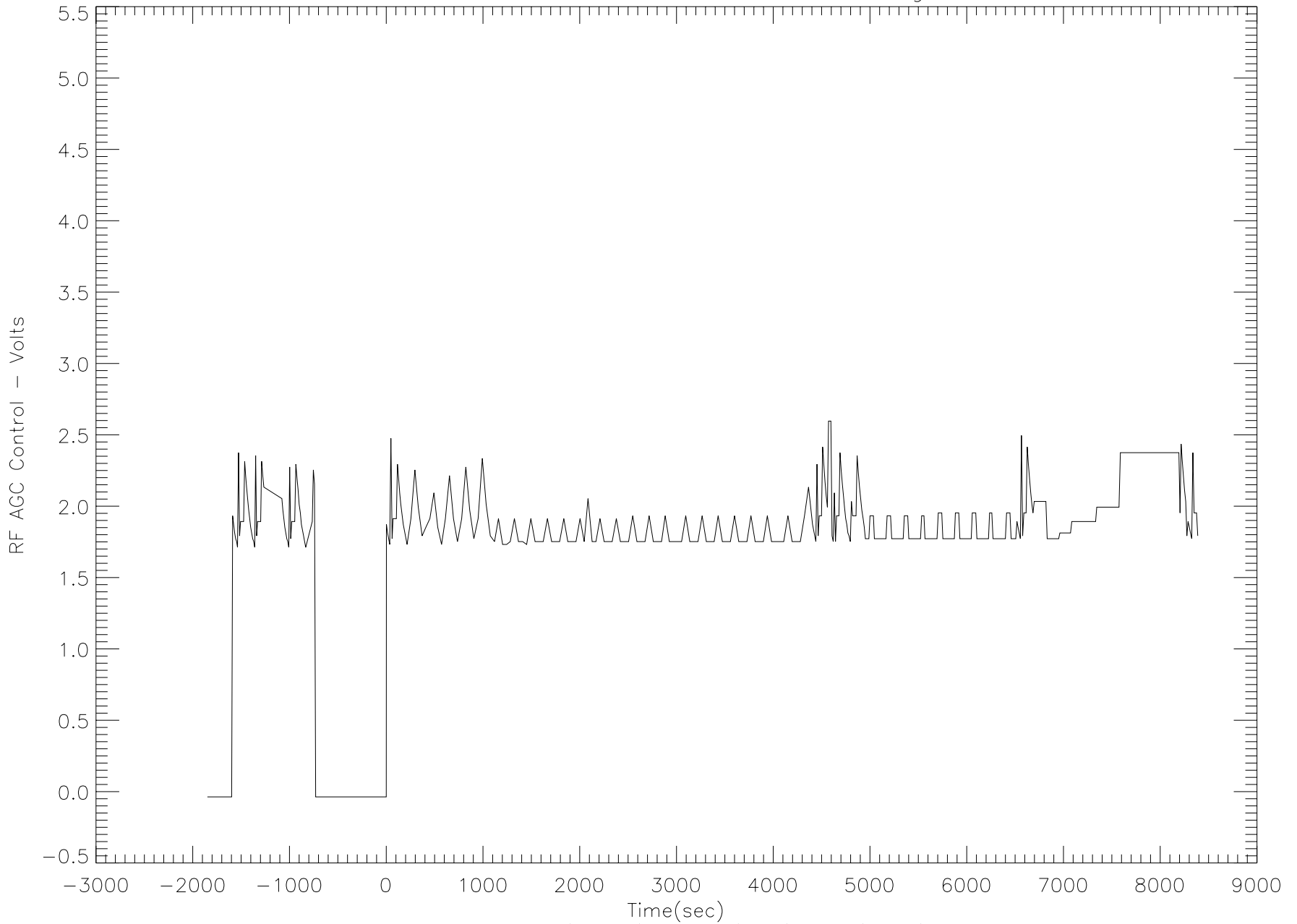
GCMS HK Data Value vs. Relative Time, Page 28

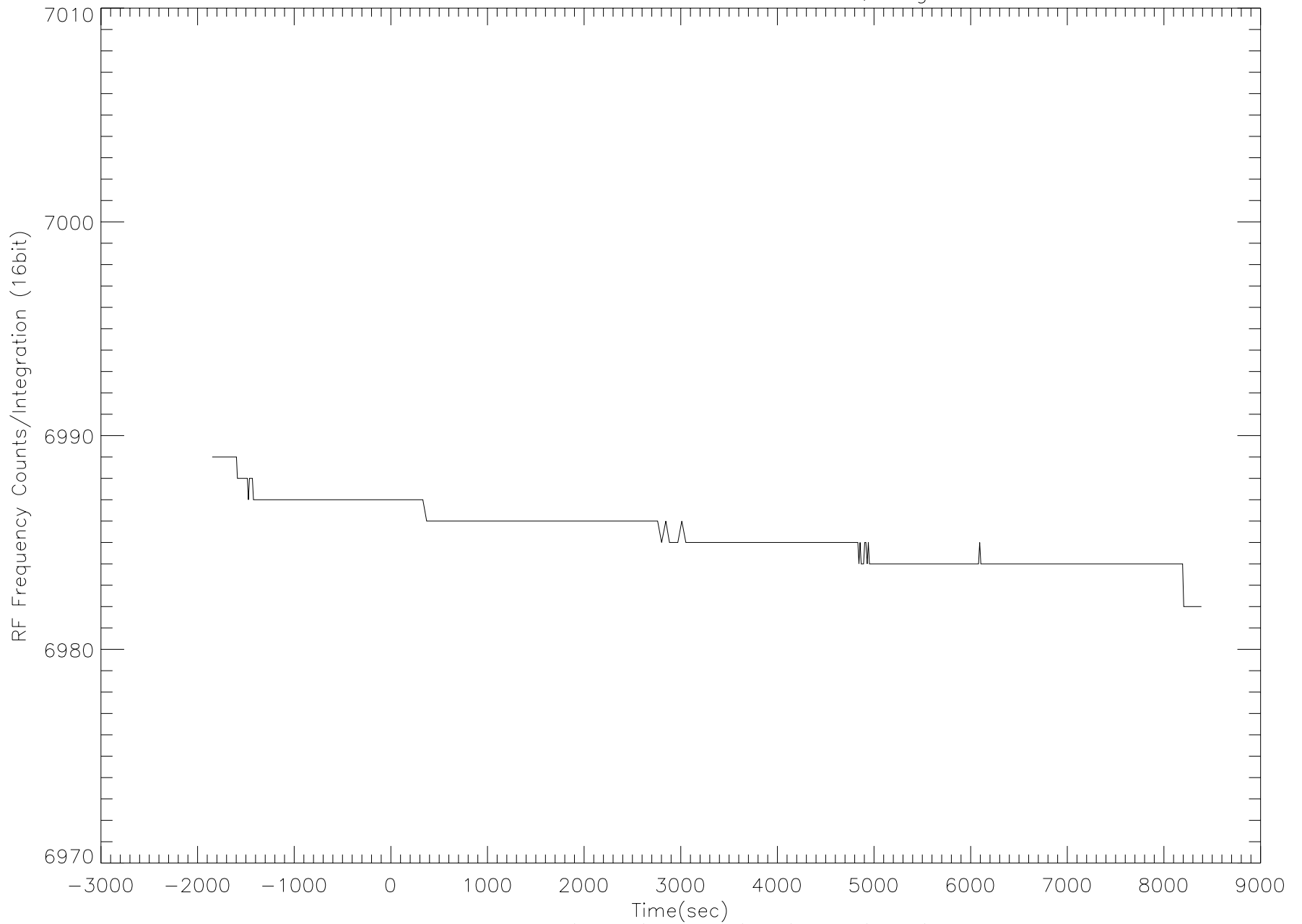


GCMS HK Data Value vs. Relative Time, Page 29

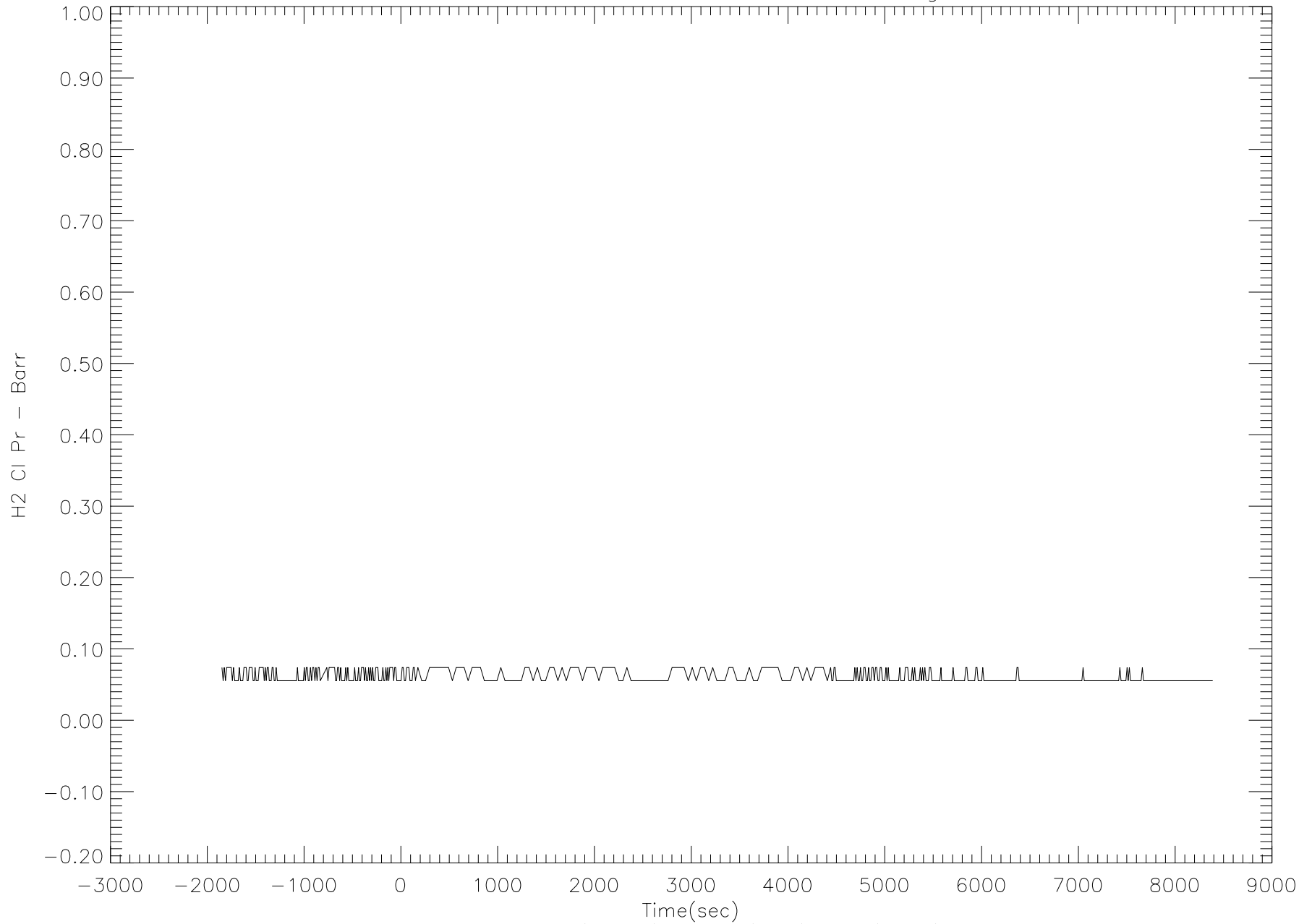


GCMS HK Data Value vs. Relative Time, Page 30



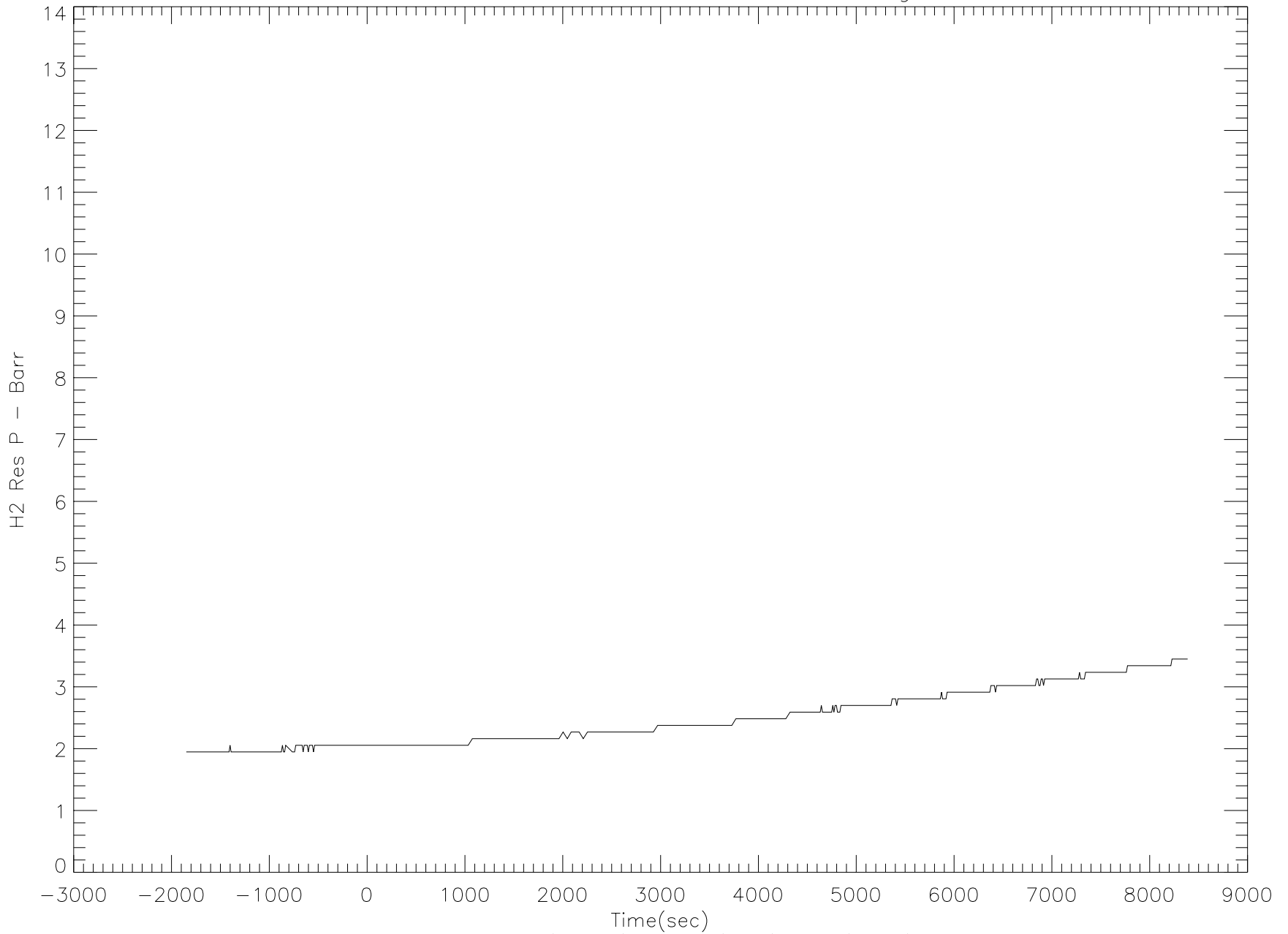


GCMS HK Data Value vs. Relative Time, Page 32

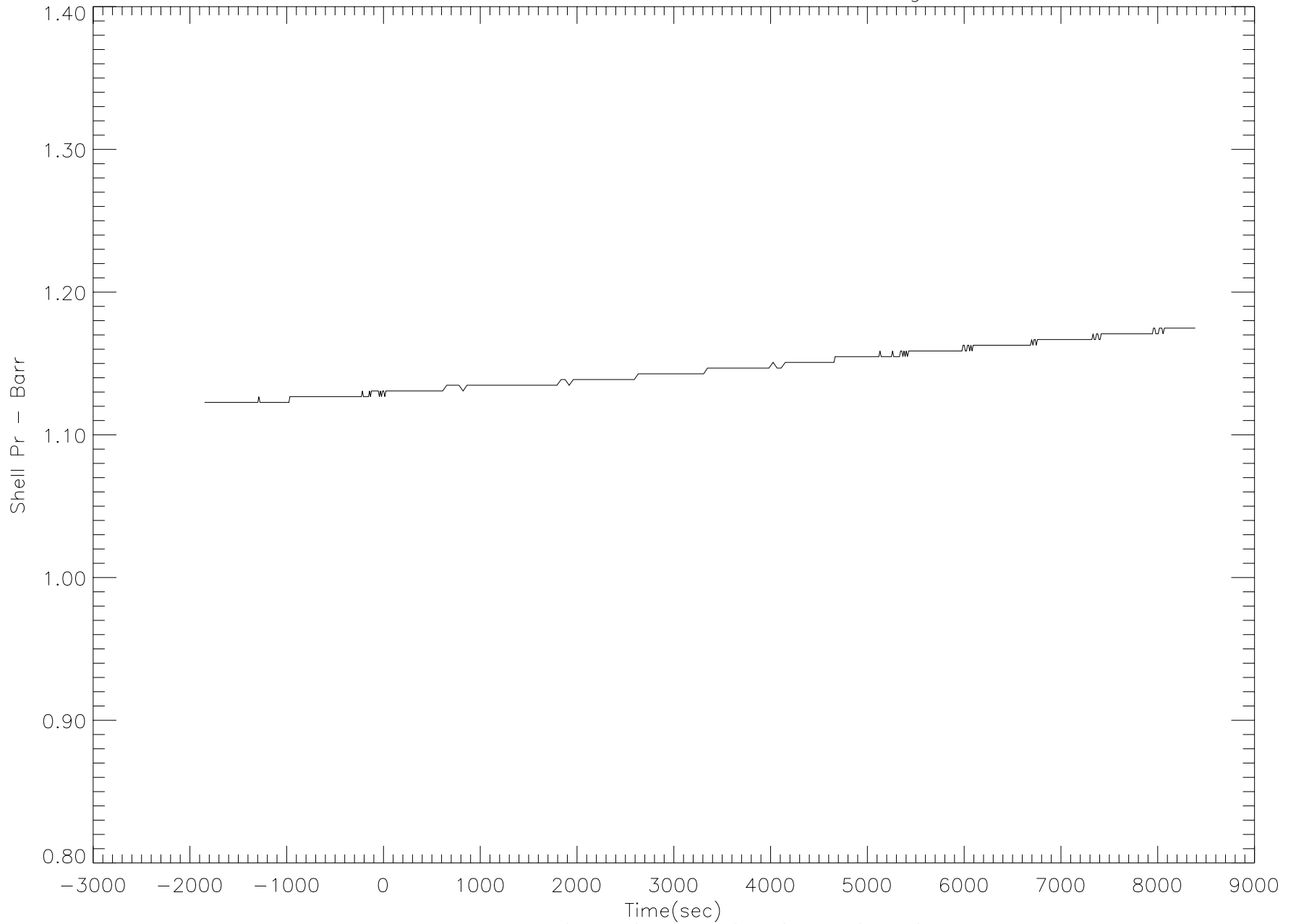




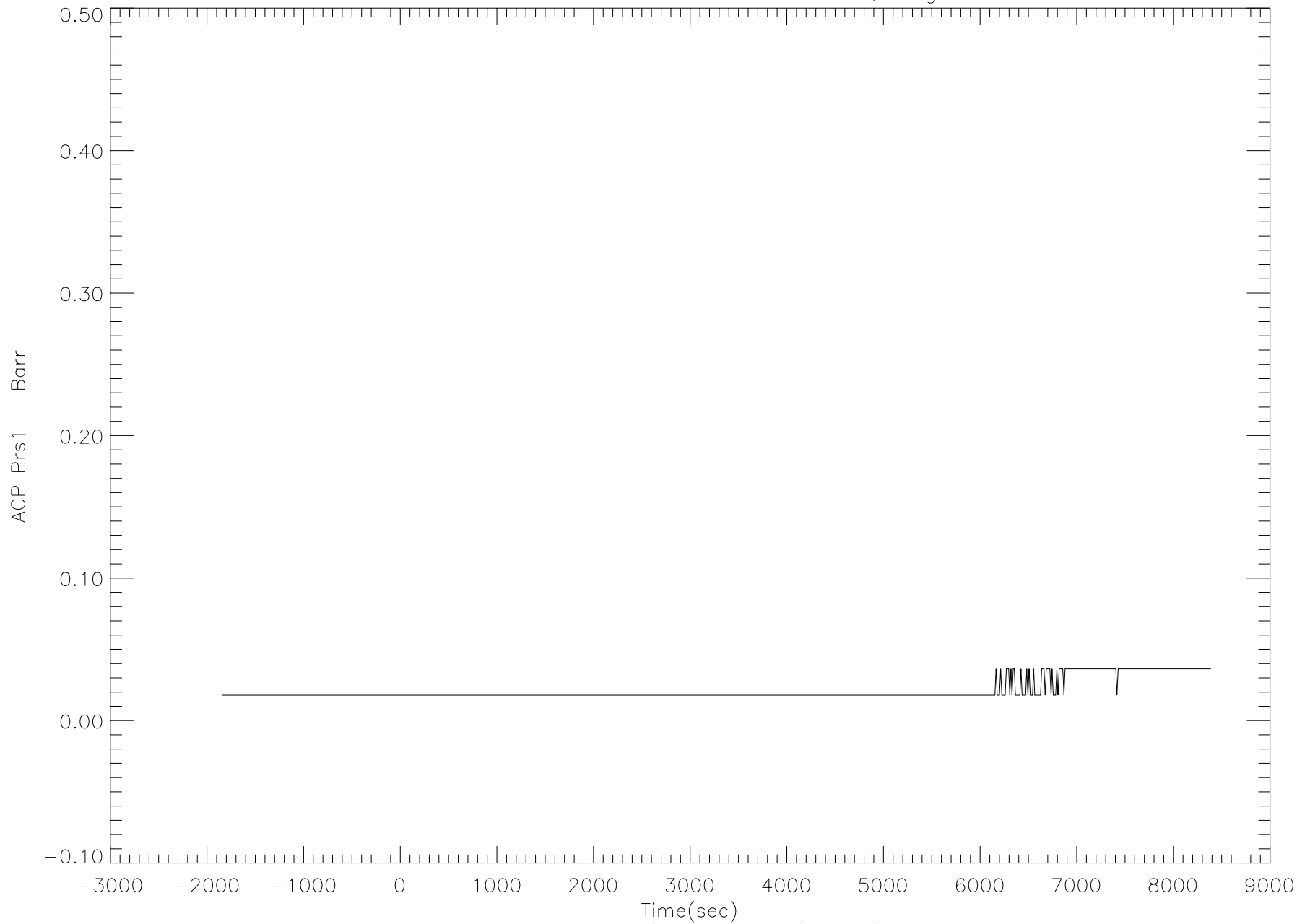
GCMS HK Data Value vs. Relative Time, Page 33



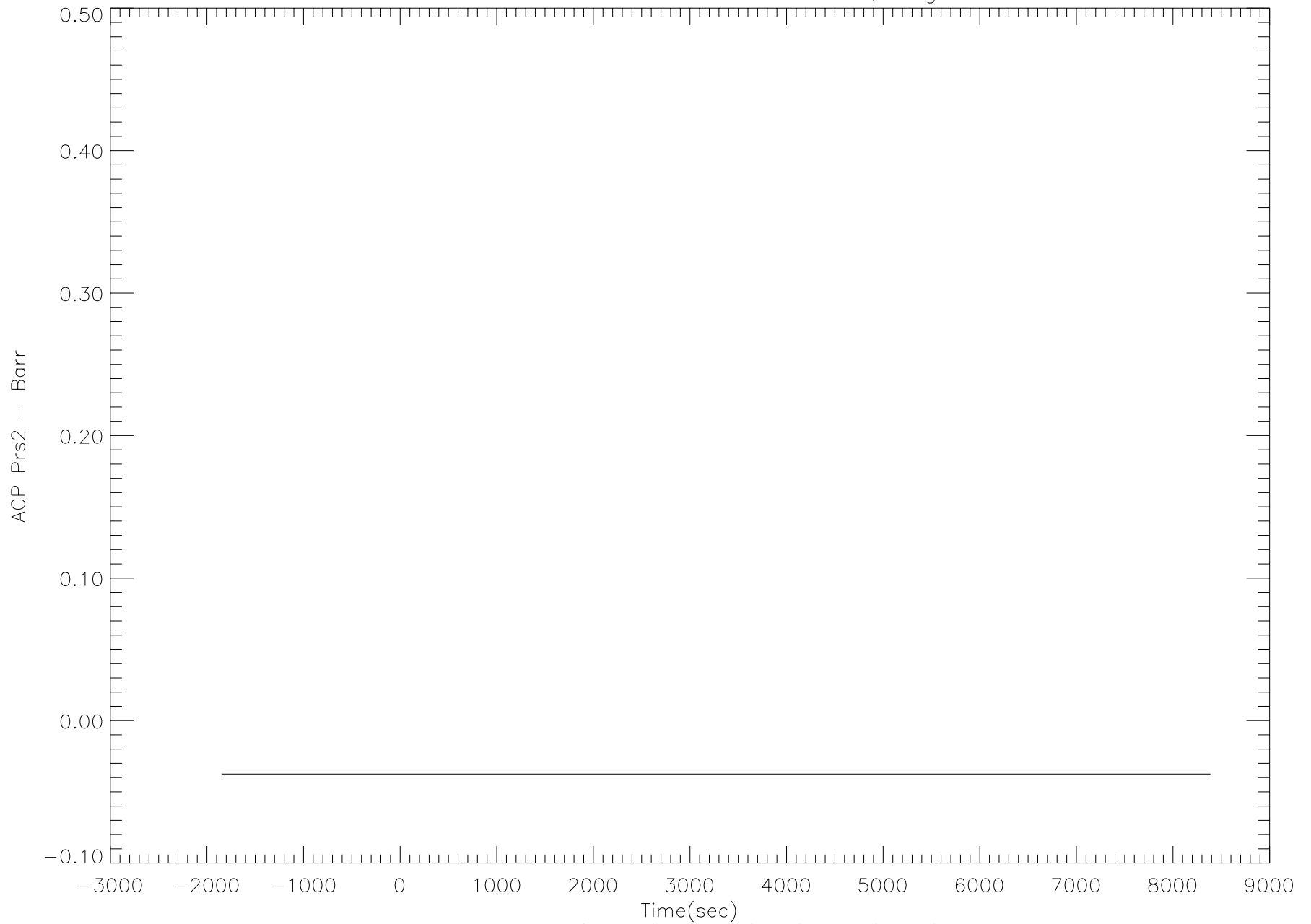
GCMS HK Data Value vs. Relative Time, Page 34



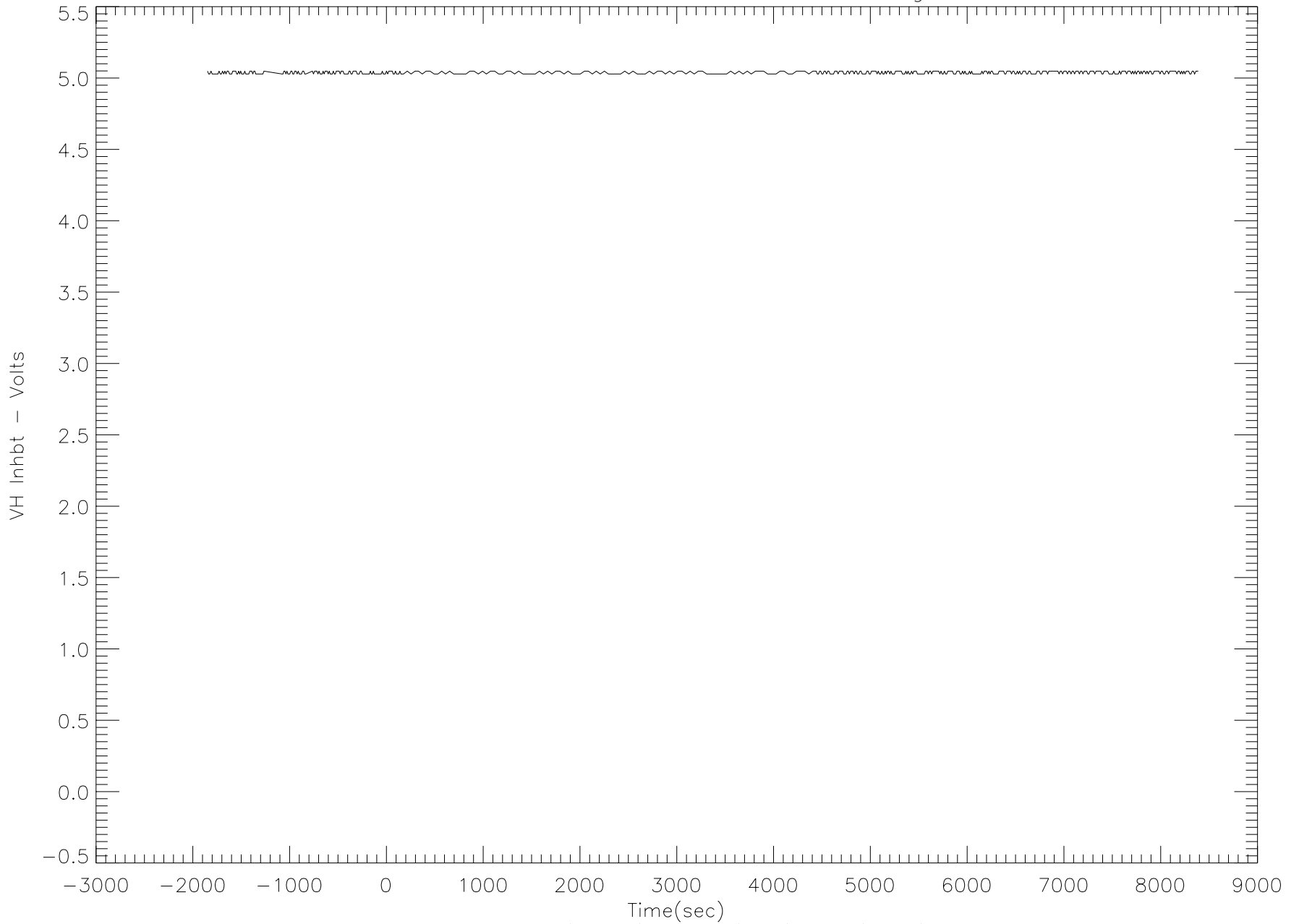
GCMS HK Data Value vs. Relative Time, Page 35



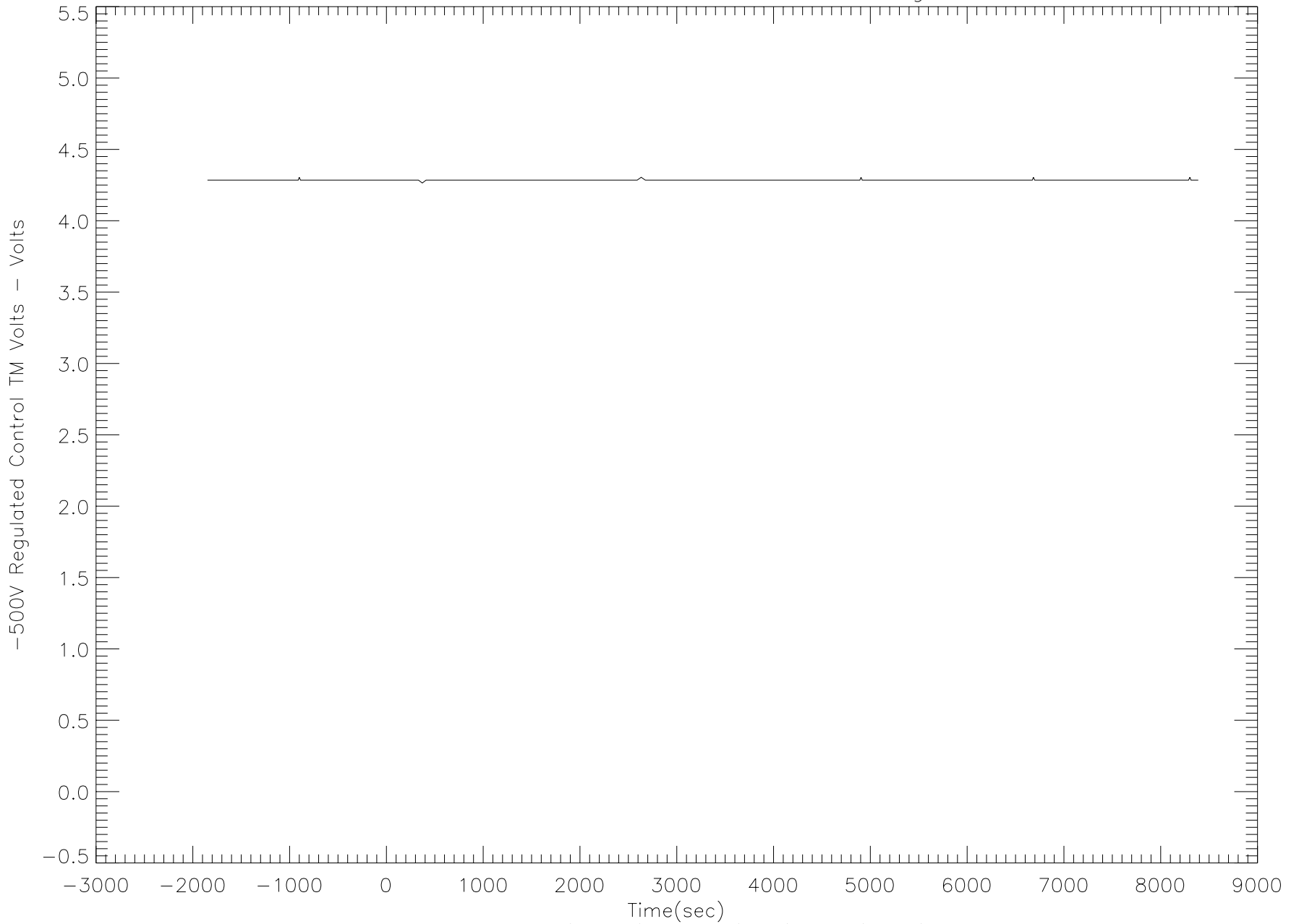
GCMS HK Data Value vs. Relative Time, Page 36



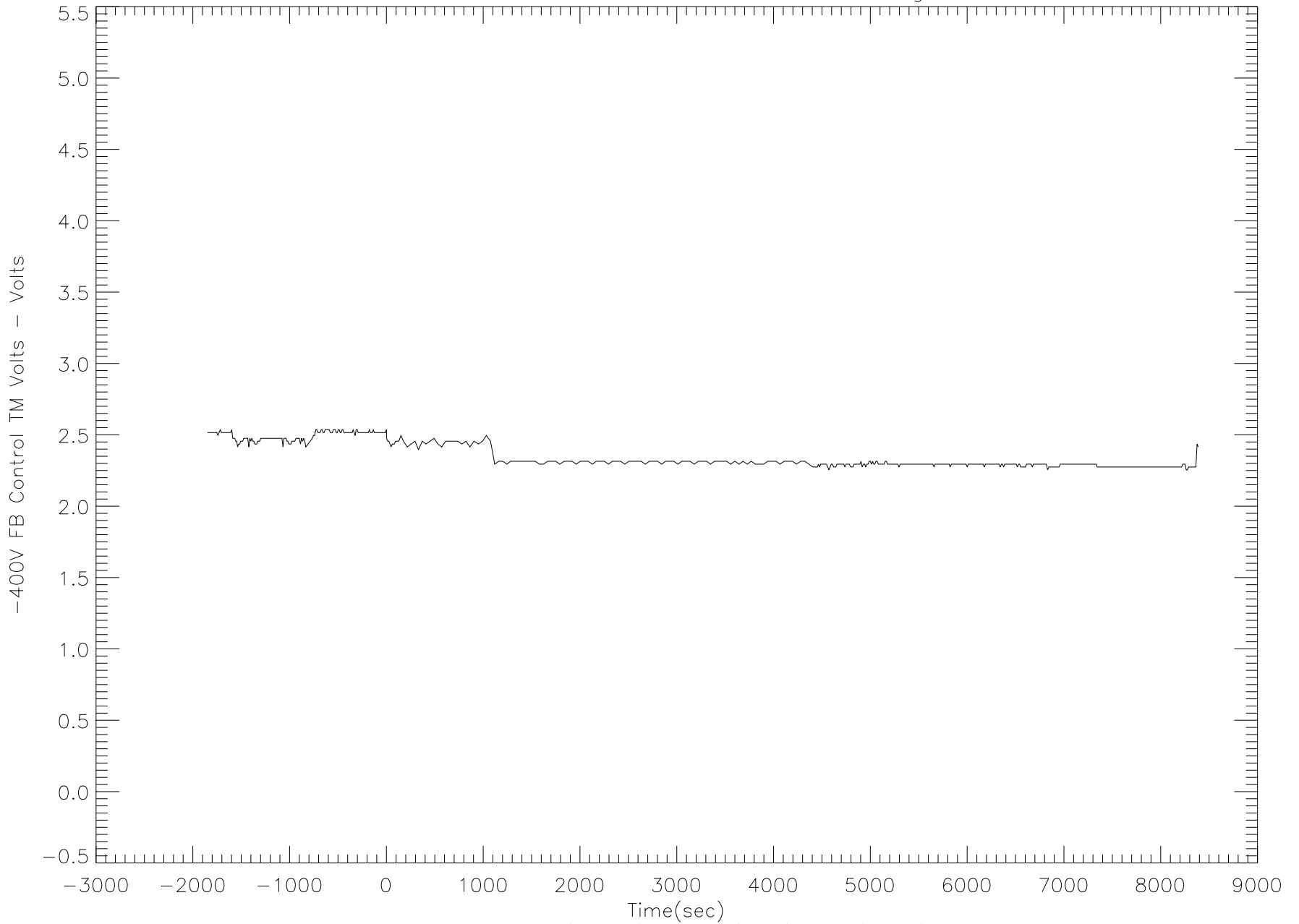
GCMS HK Data Value vs. Relative Time, Page 37



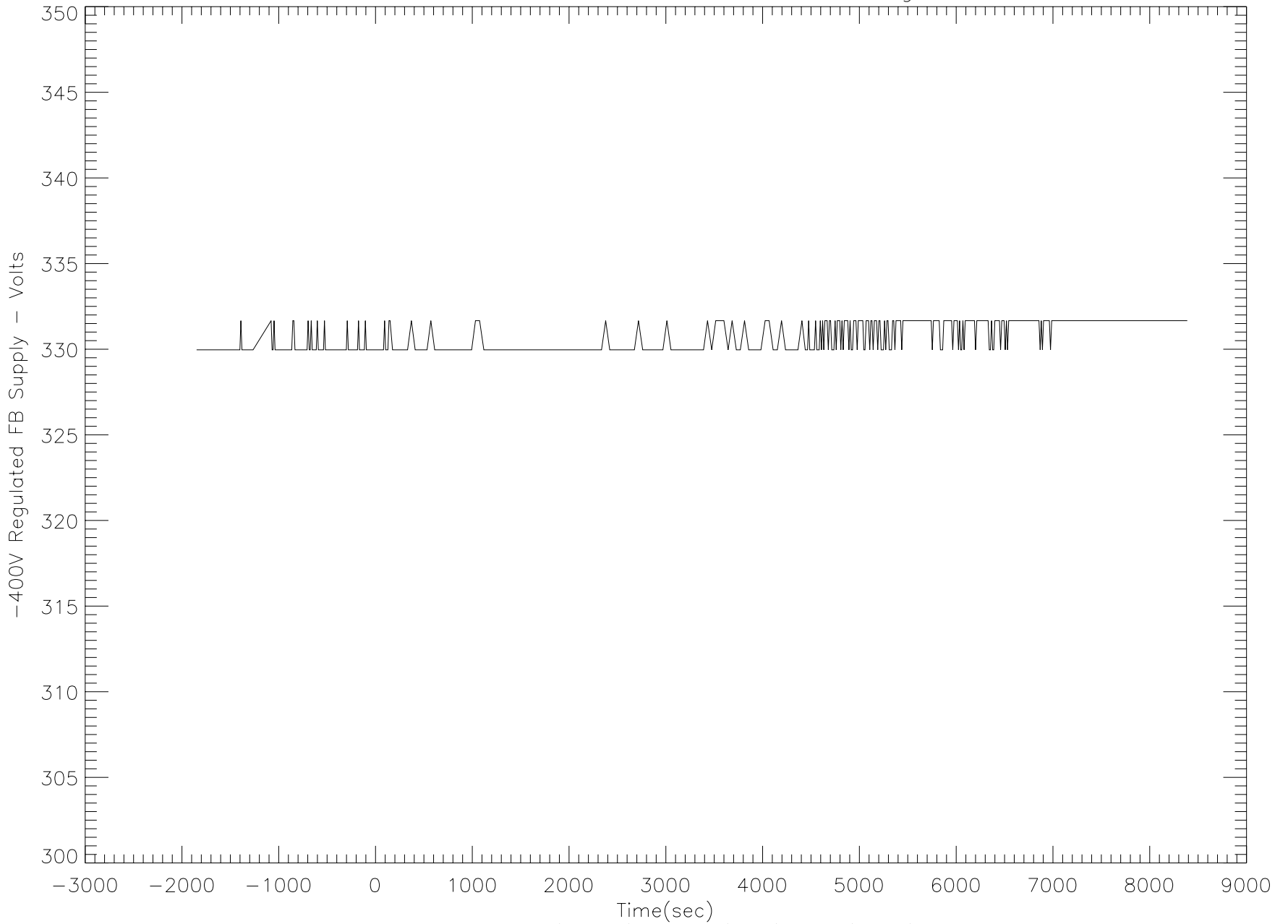
GCMS HK Data Value vs. Relative Time, Page 38



GCMS HK Data Value vs. Relative Time, Page 39

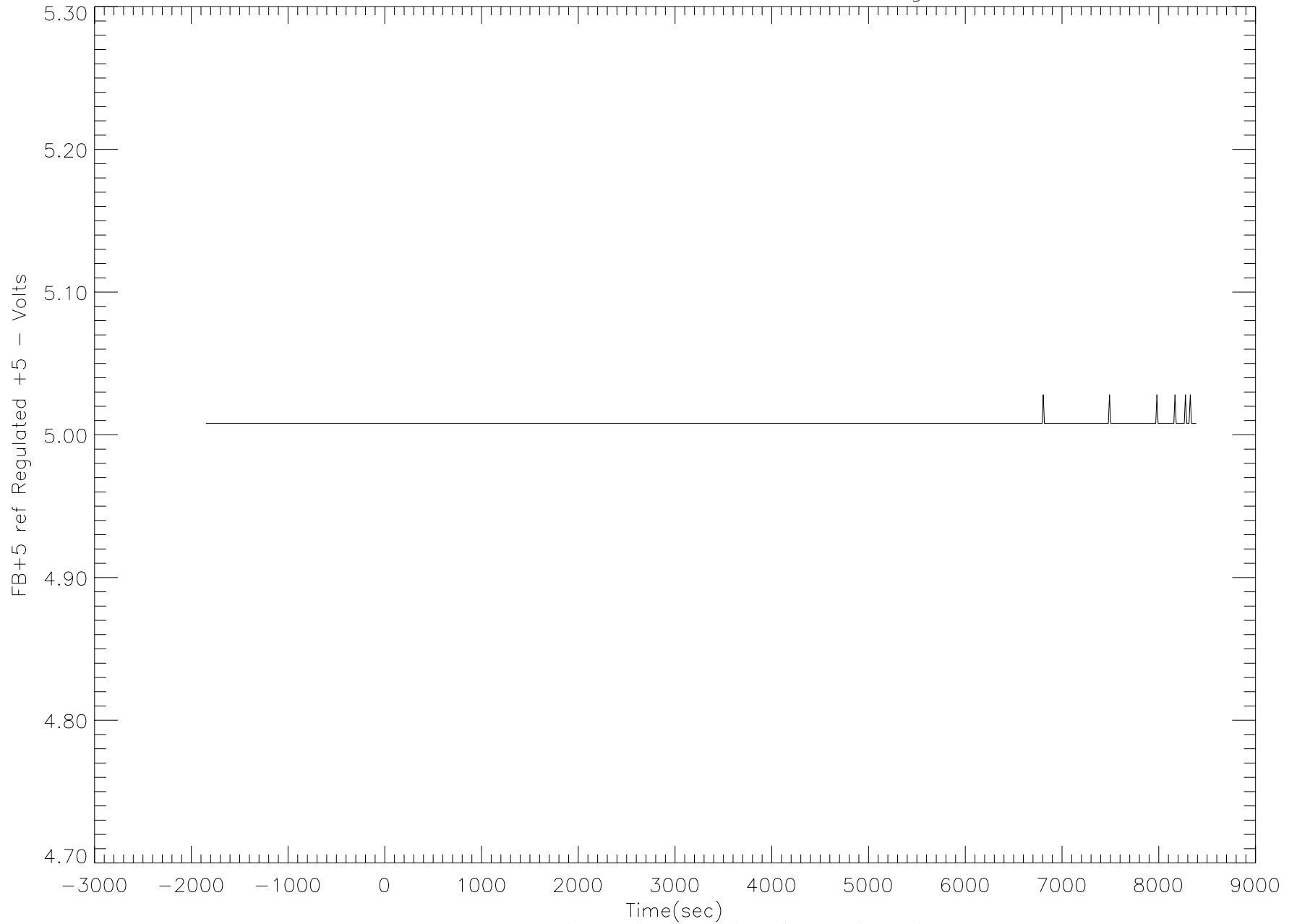


GCMS HK Data Value vs. Relative Time, Page 40

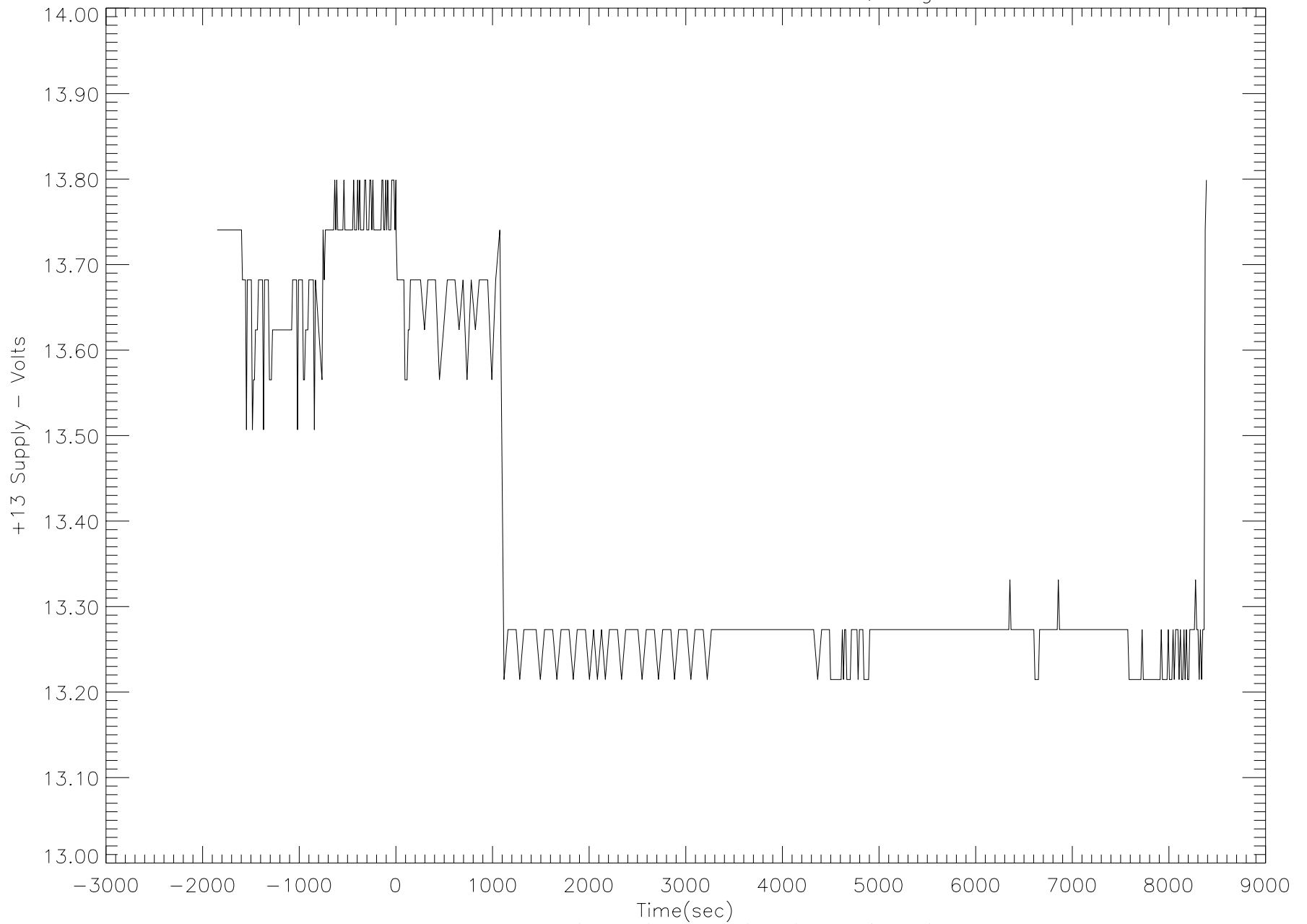




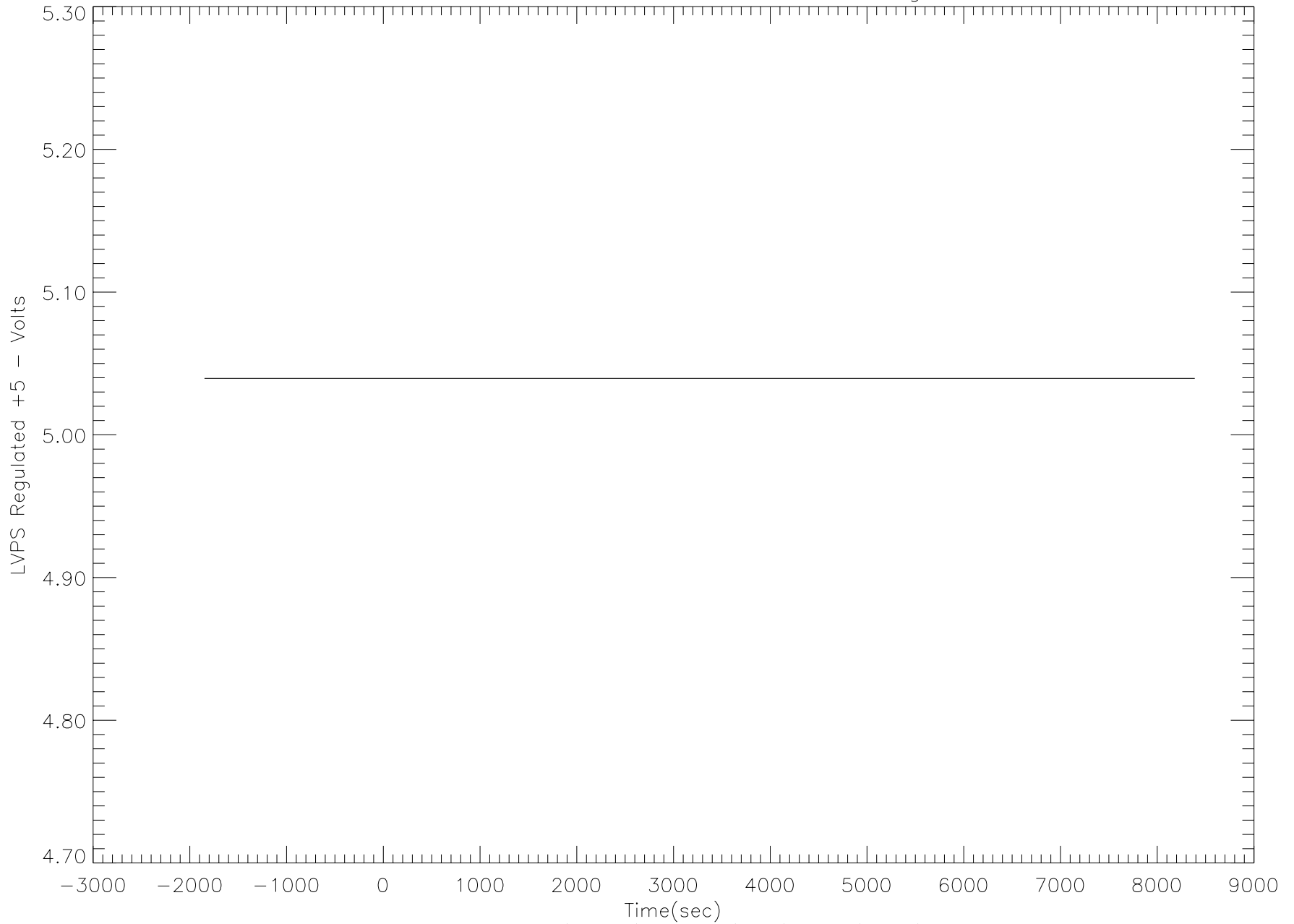
GCMS HK Data Value vs. Relative Time, Page 41



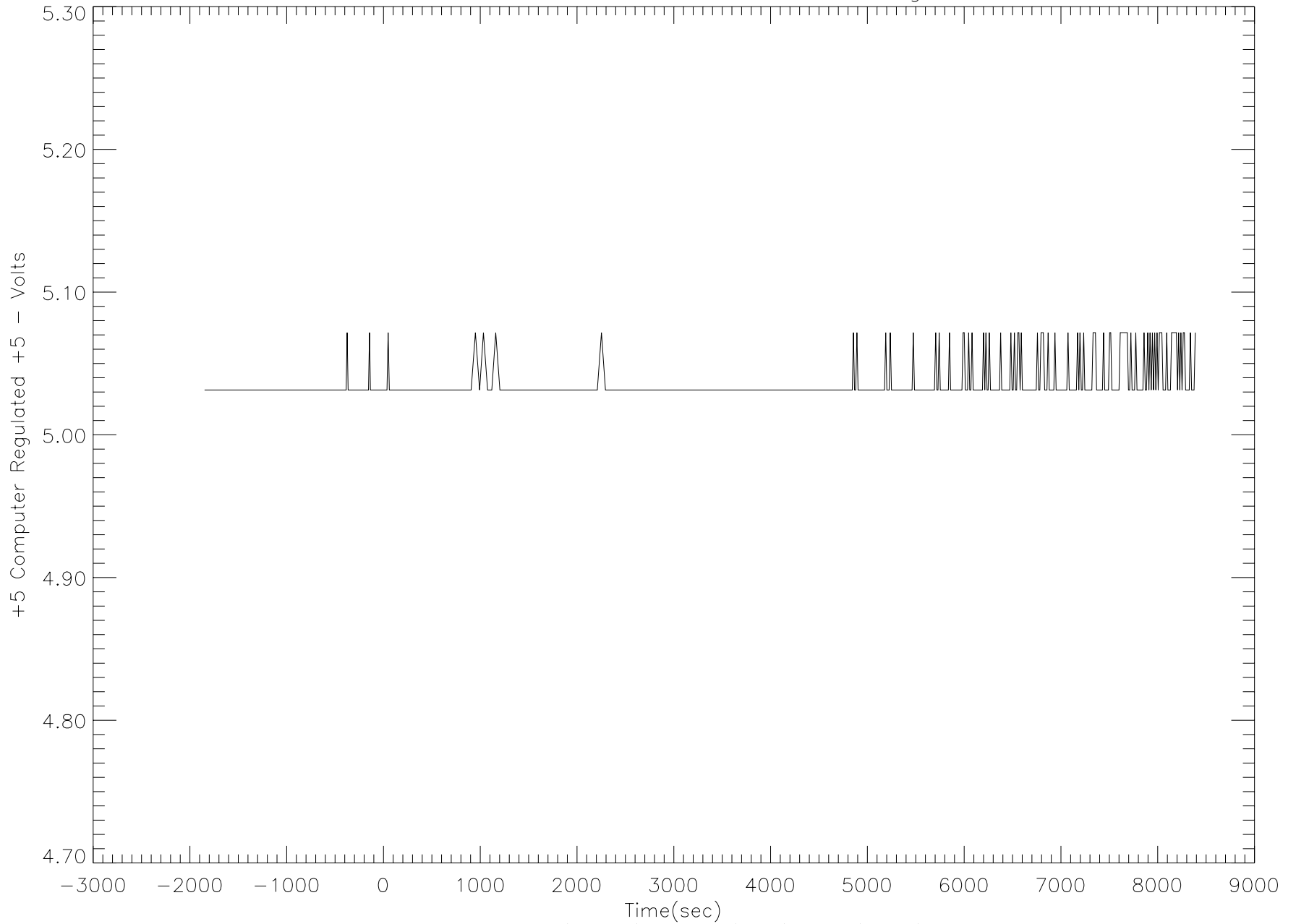
GCMS HK Data Value vs. Relative Time, Page 42



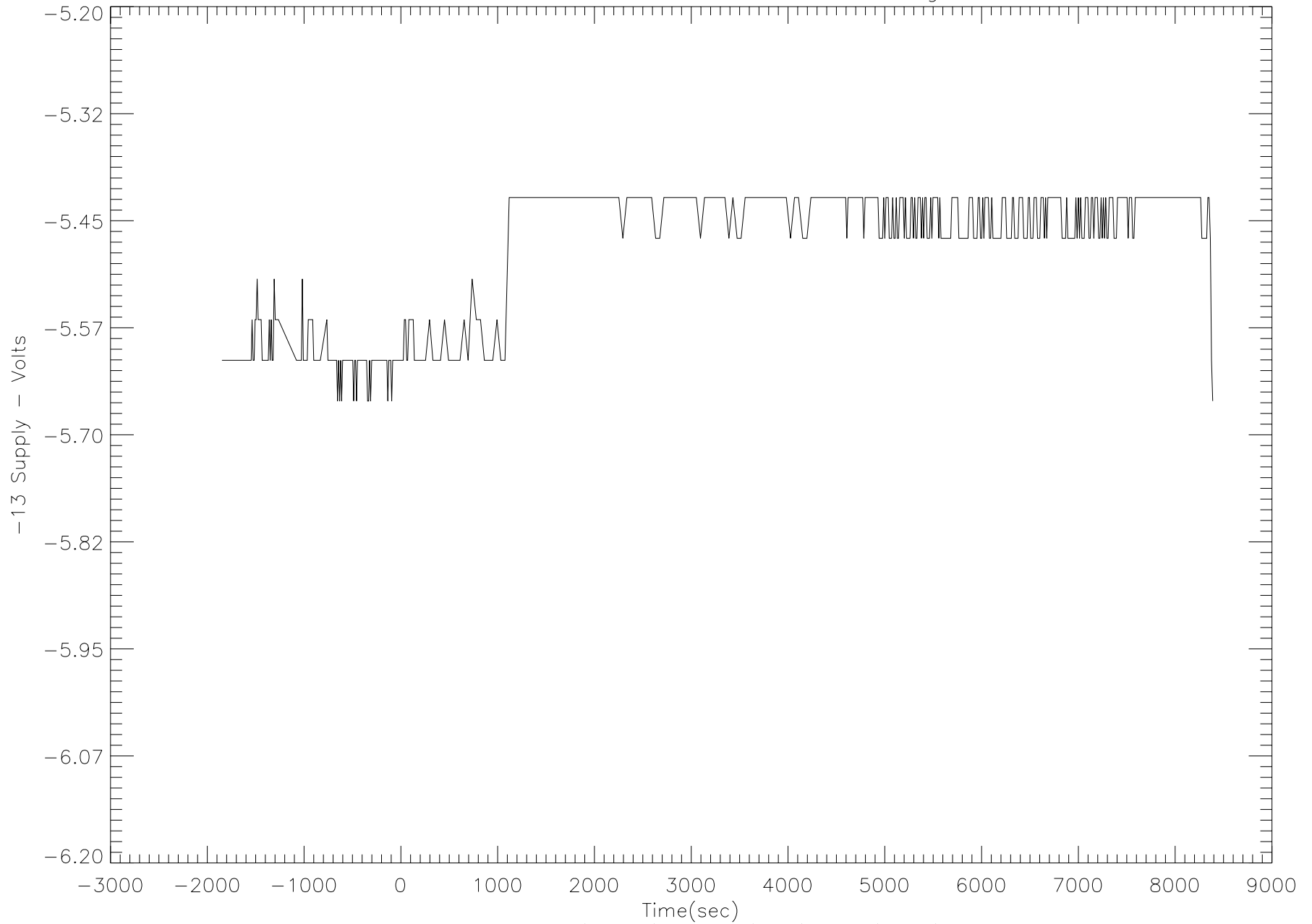
GCMS HK Data Value vs. Relative Time, Page 43



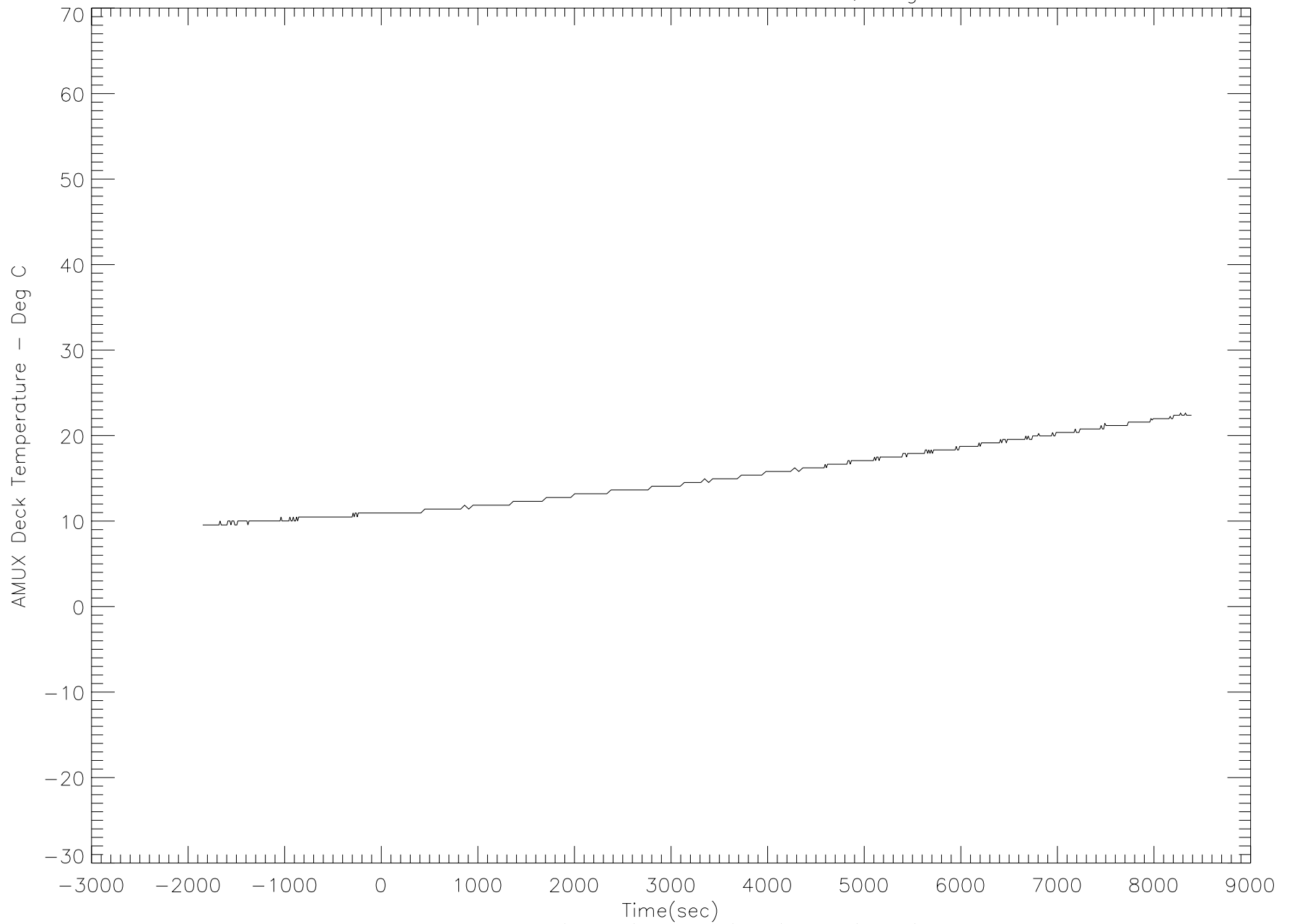
GCMS HK Data Value vs. Relative Time, Page 44



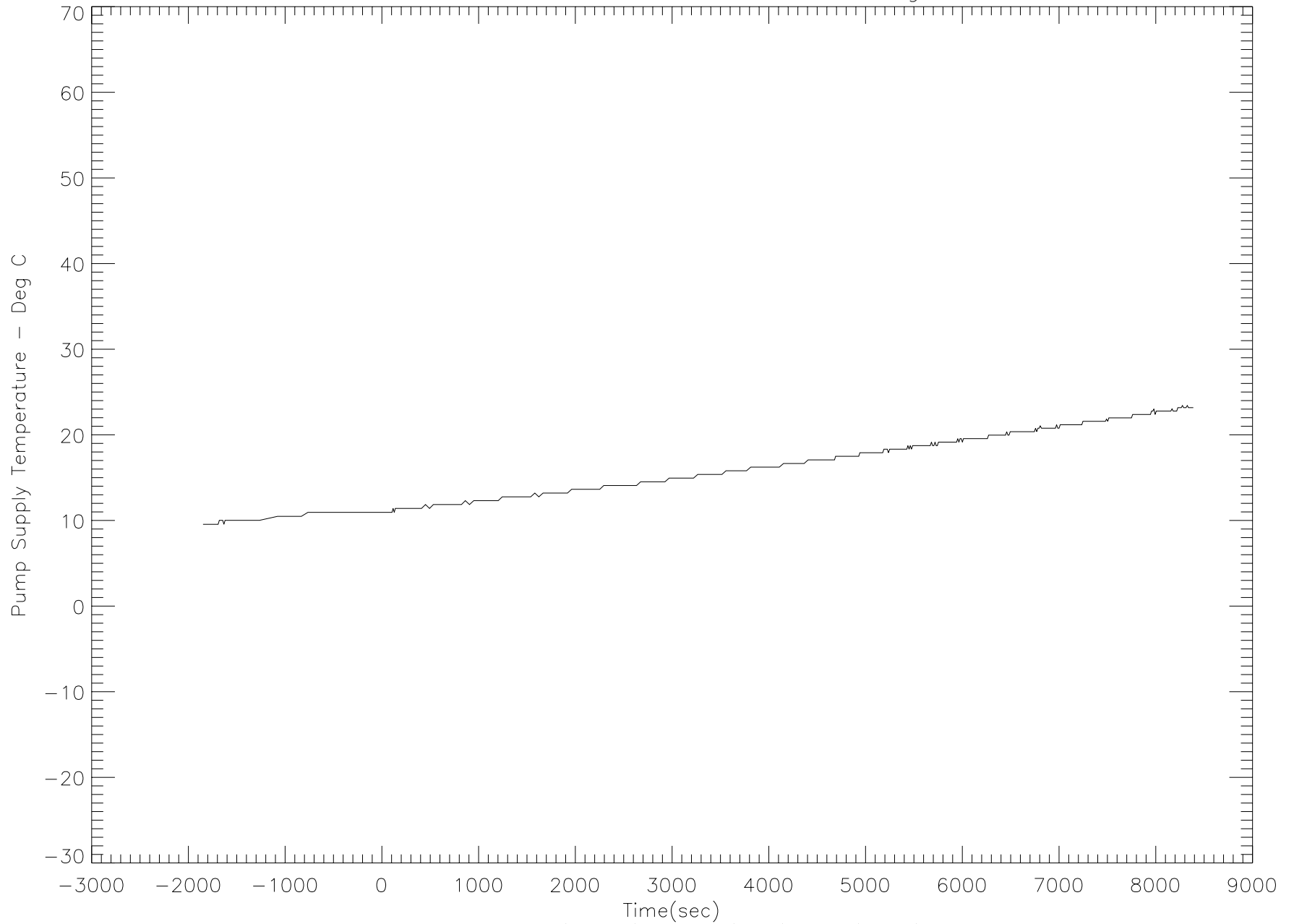
GCMS HK Data Value vs. Relative Time, Page 45



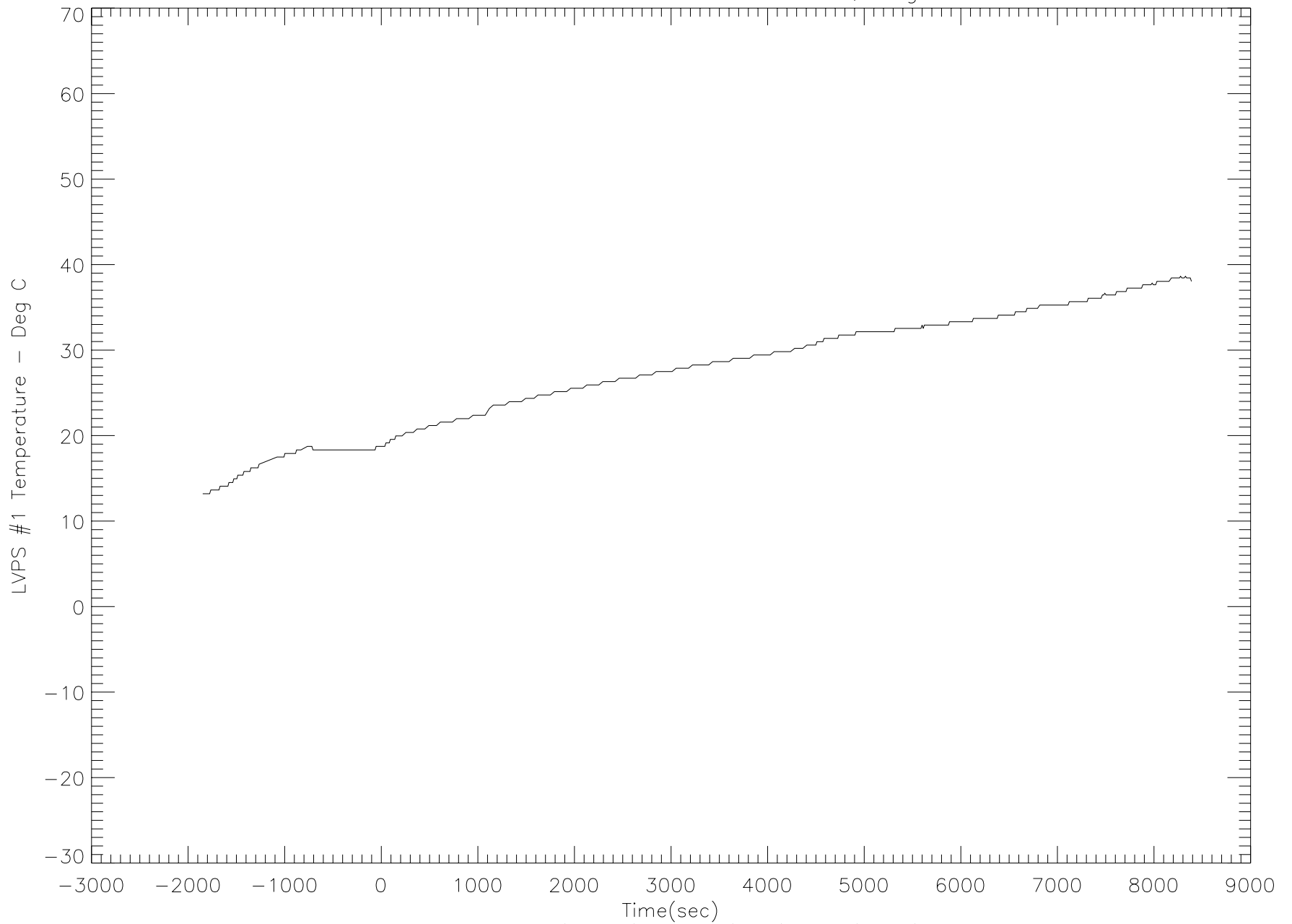
GCMS HK Data Value vs. Relative Time, Page 46



GCMS HK Data Value vs. Relative Time, Page 47

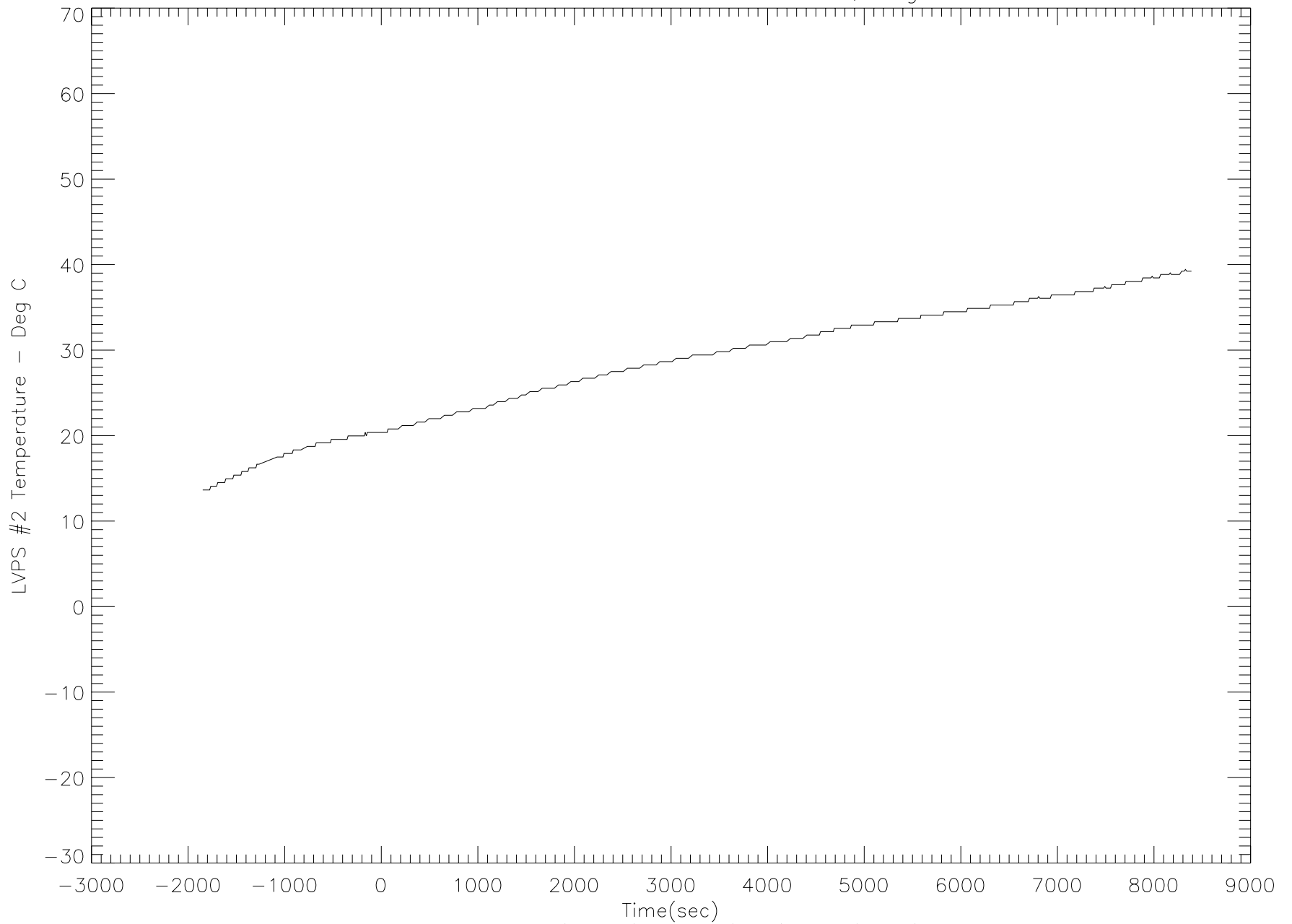


GCMS HK Data Value vs. Relative Time, Page 48

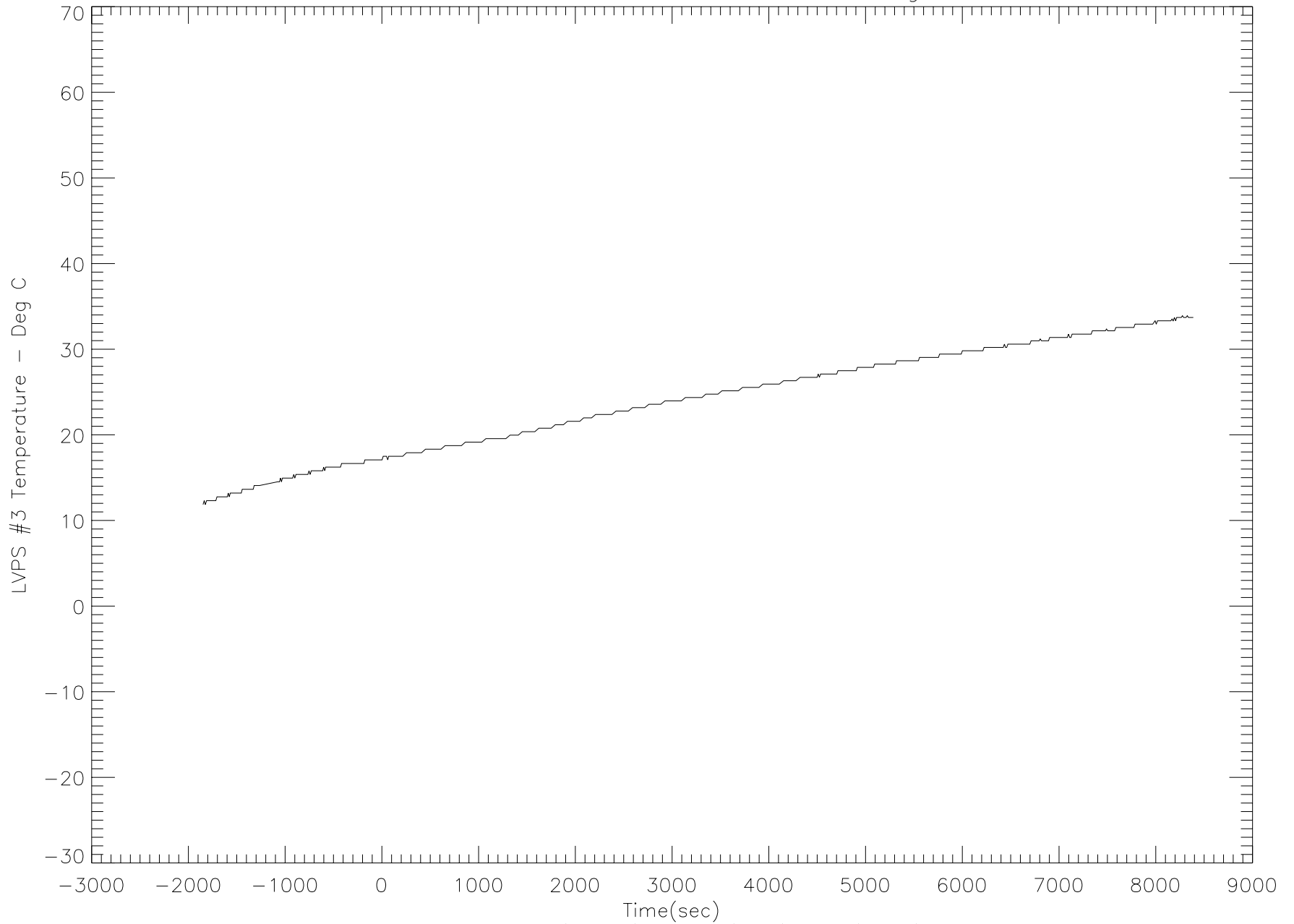




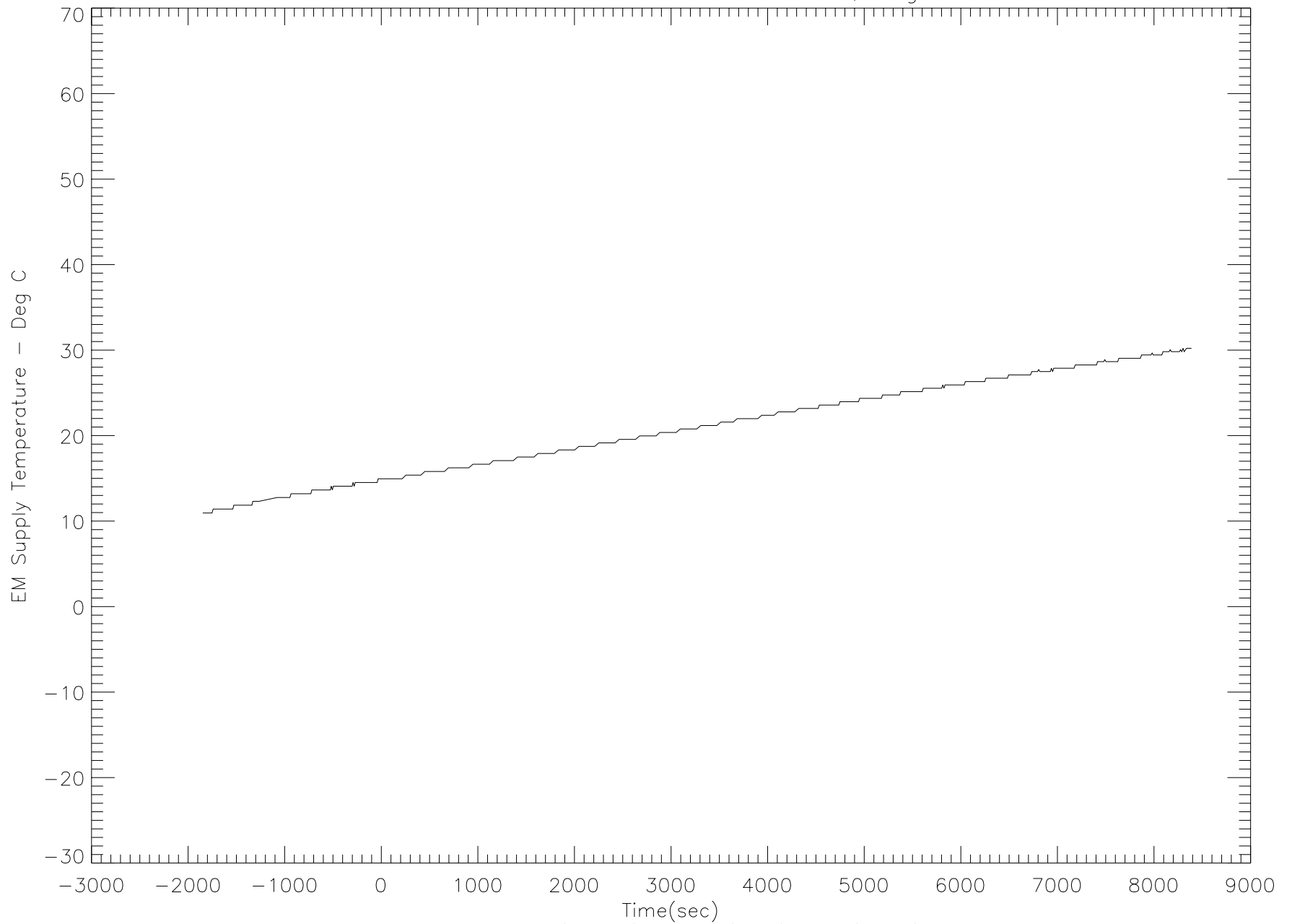
GCMS HK Data Value vs. Relative Time, Page 49



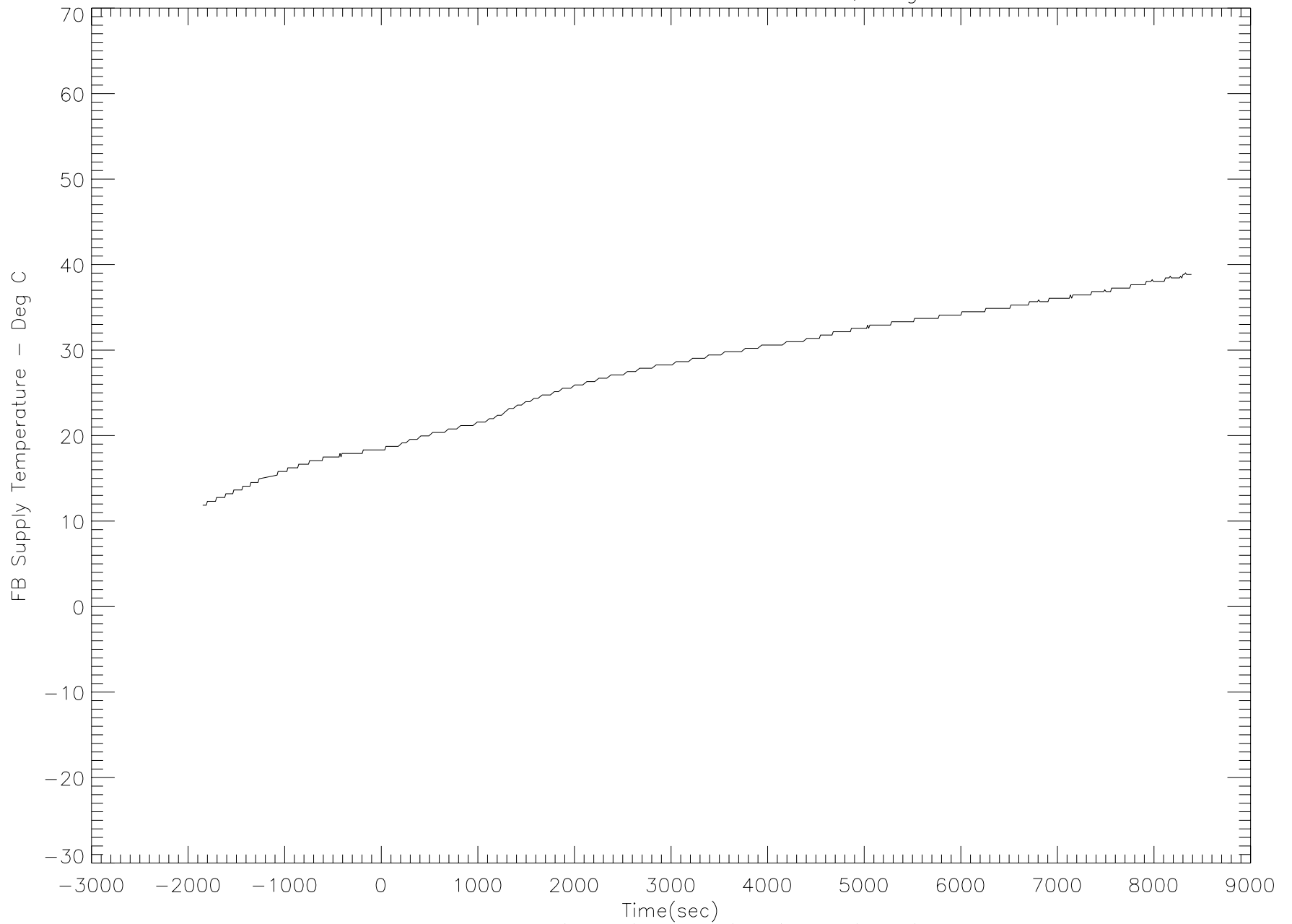
GCMS HK Data Value vs. Relative Time, Page 50



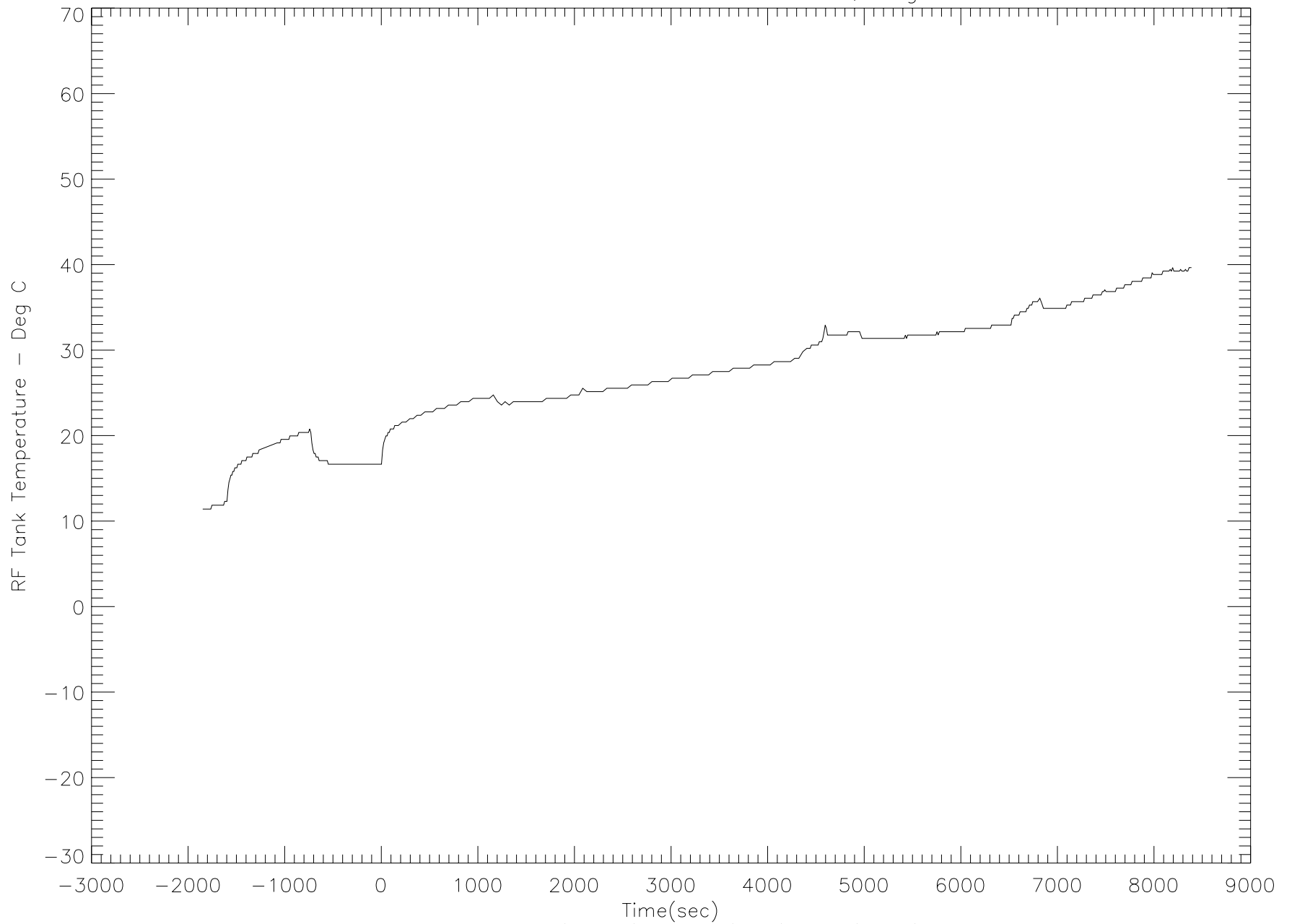
GCMS HK Data Value vs. Relative Time, Page 51



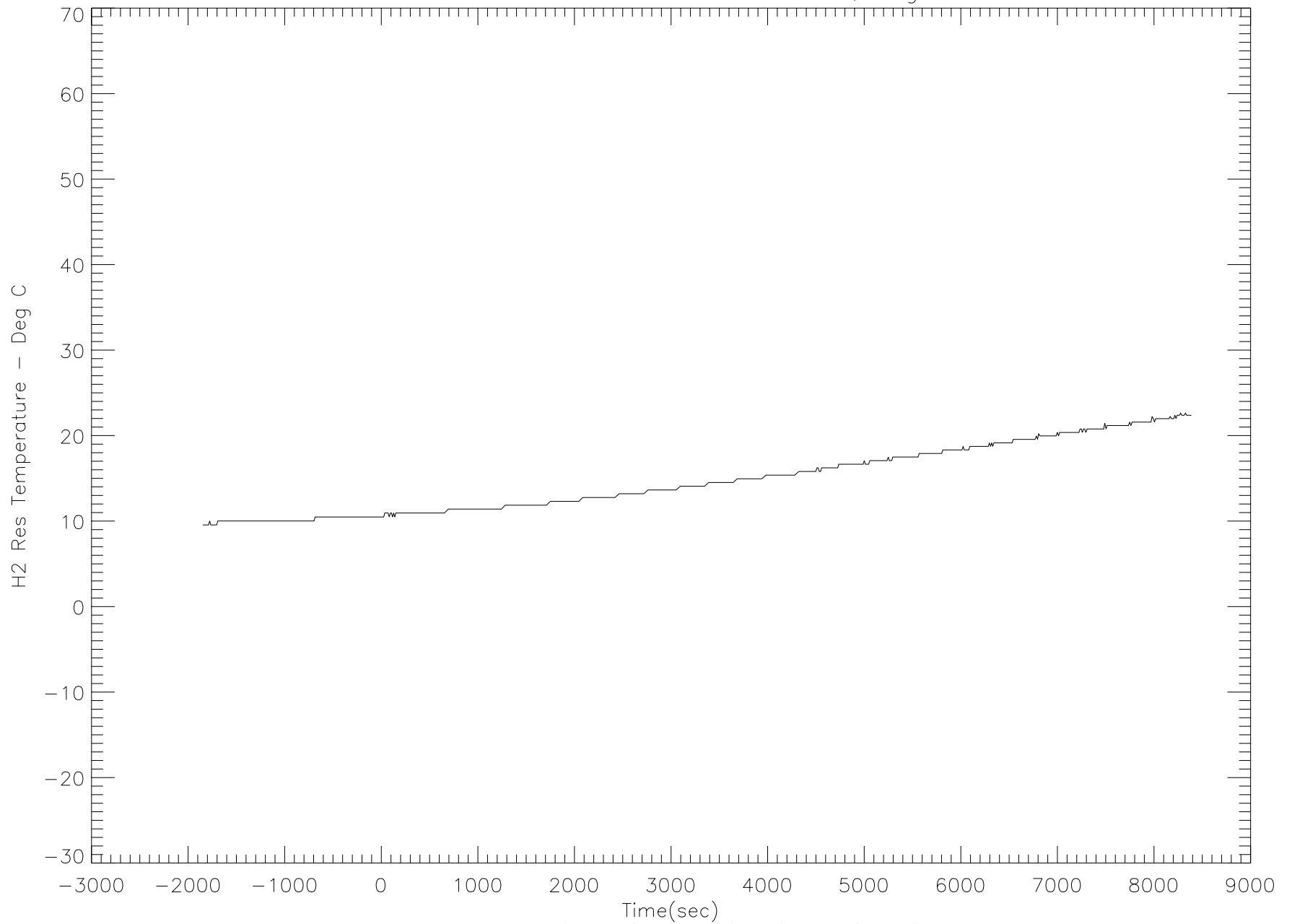
GCMS HK Data Value vs. Relative Time, Page 52



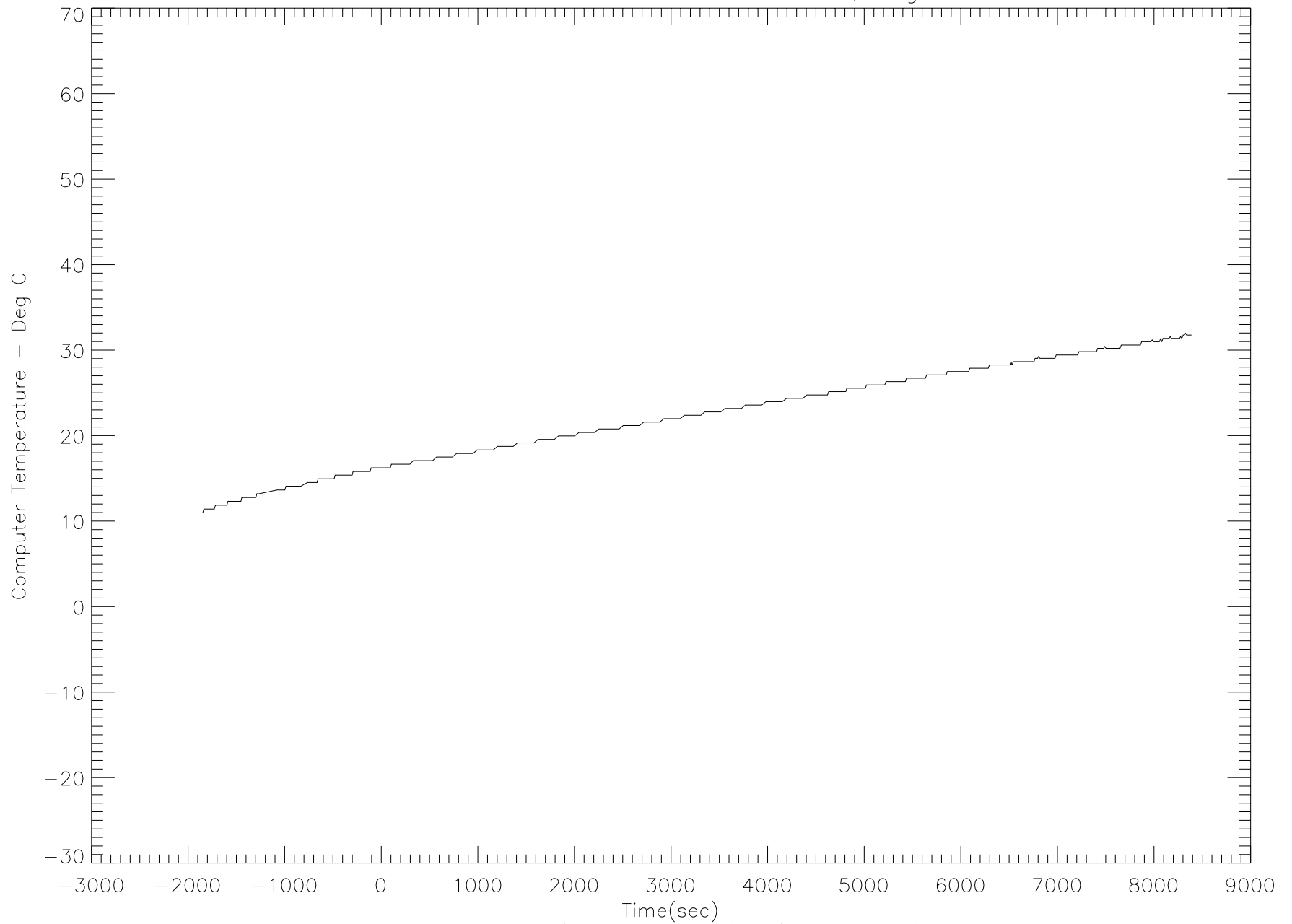
GCMS HK Data Value vs. Relative Time, Page 53



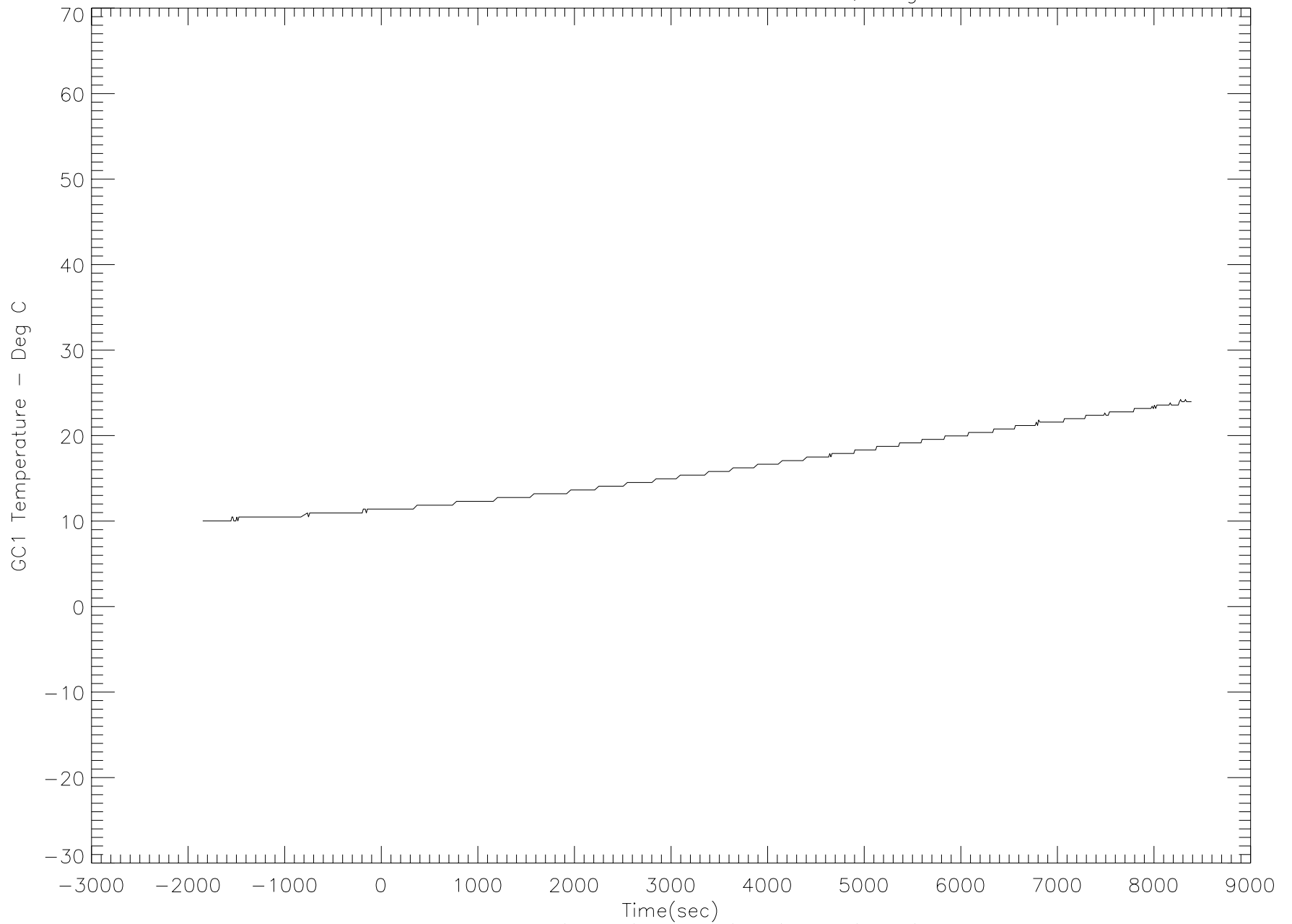
GCMS HK Data Value vs. Relative Time, Page 54



GCMS HK Data Value vs. Relative Time, Page 55

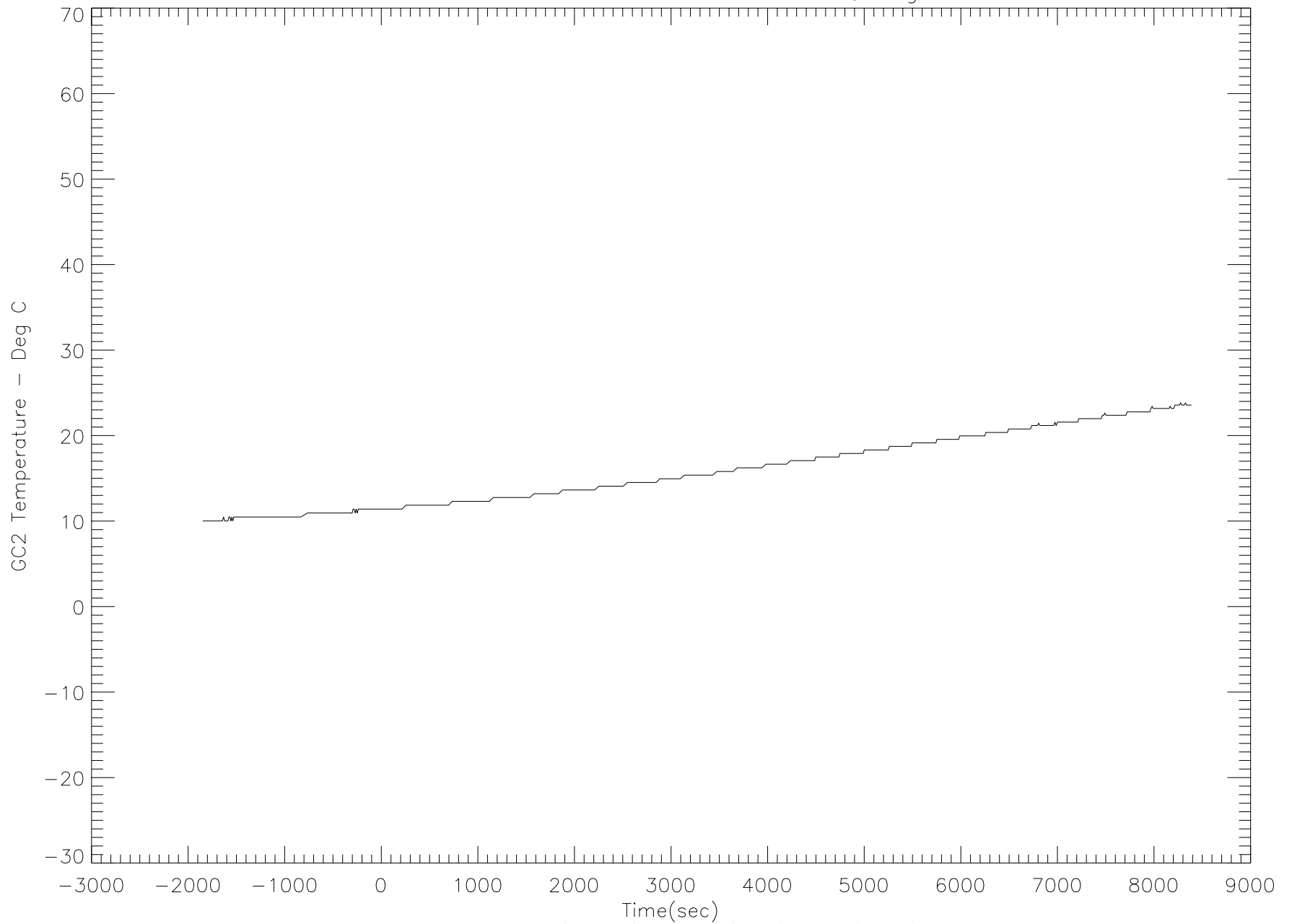


GCMS HK Data Value vs. Relative Time, Page 56

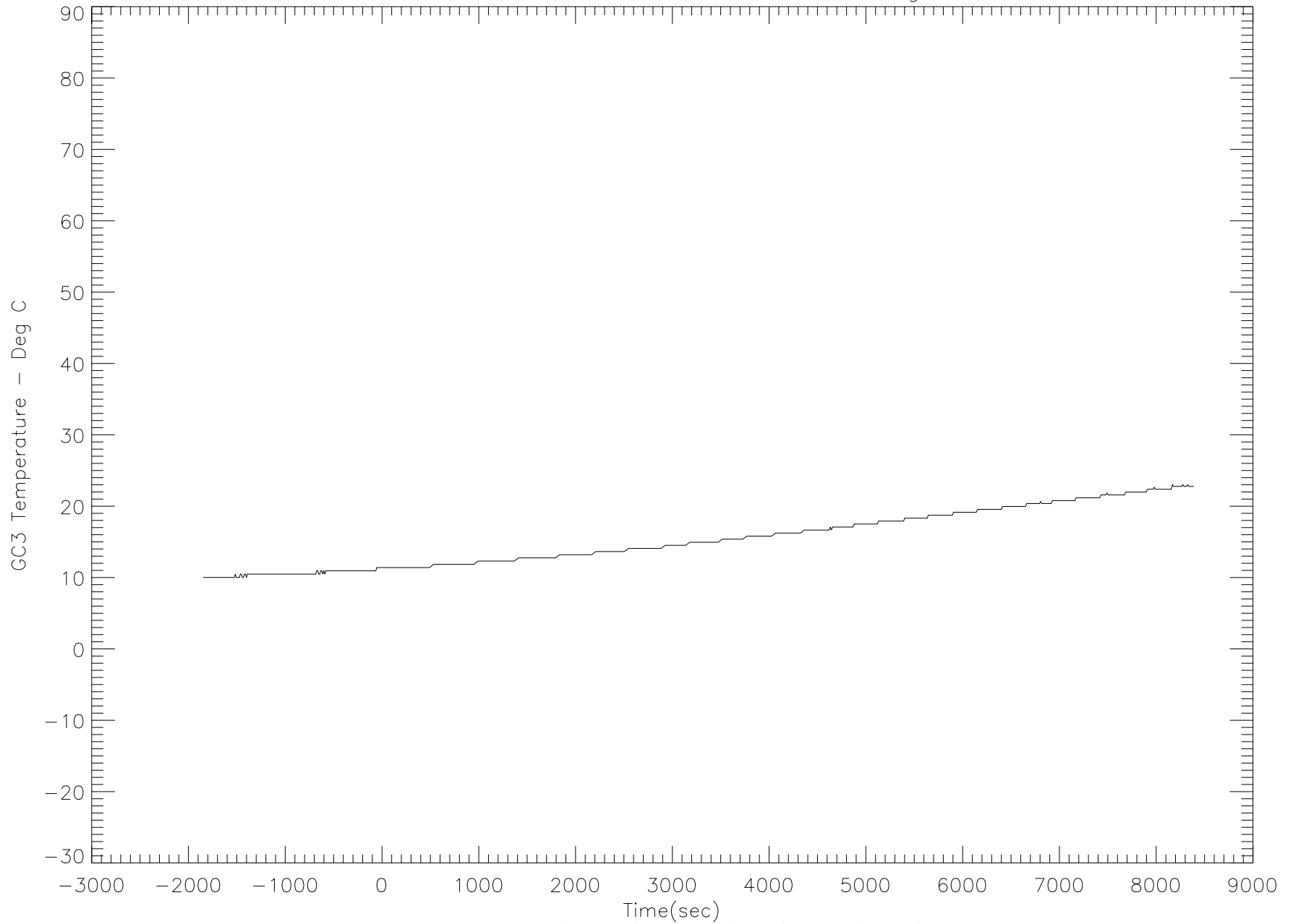




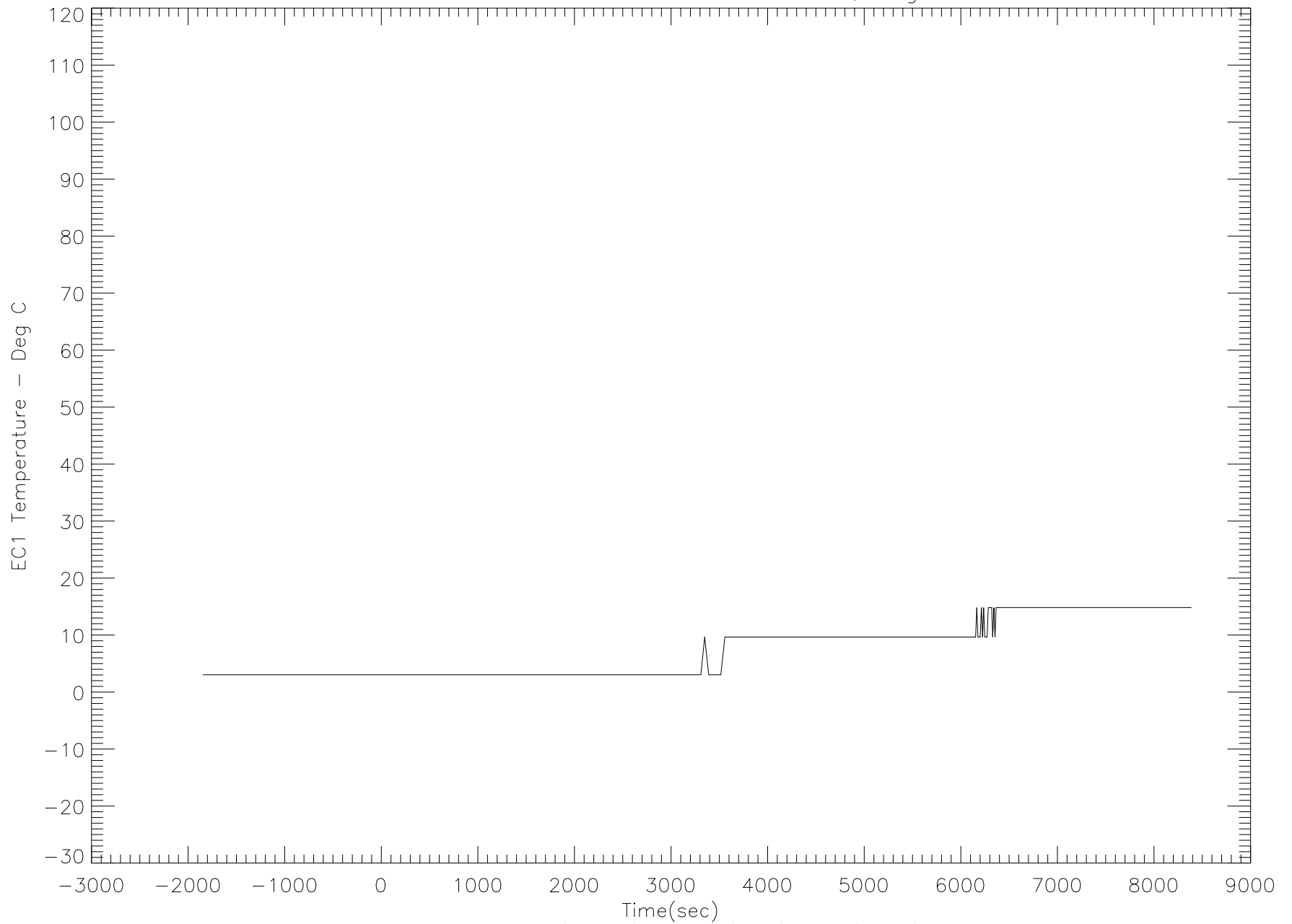
GCMS HK Data Value vs. Relative Time, Page 57



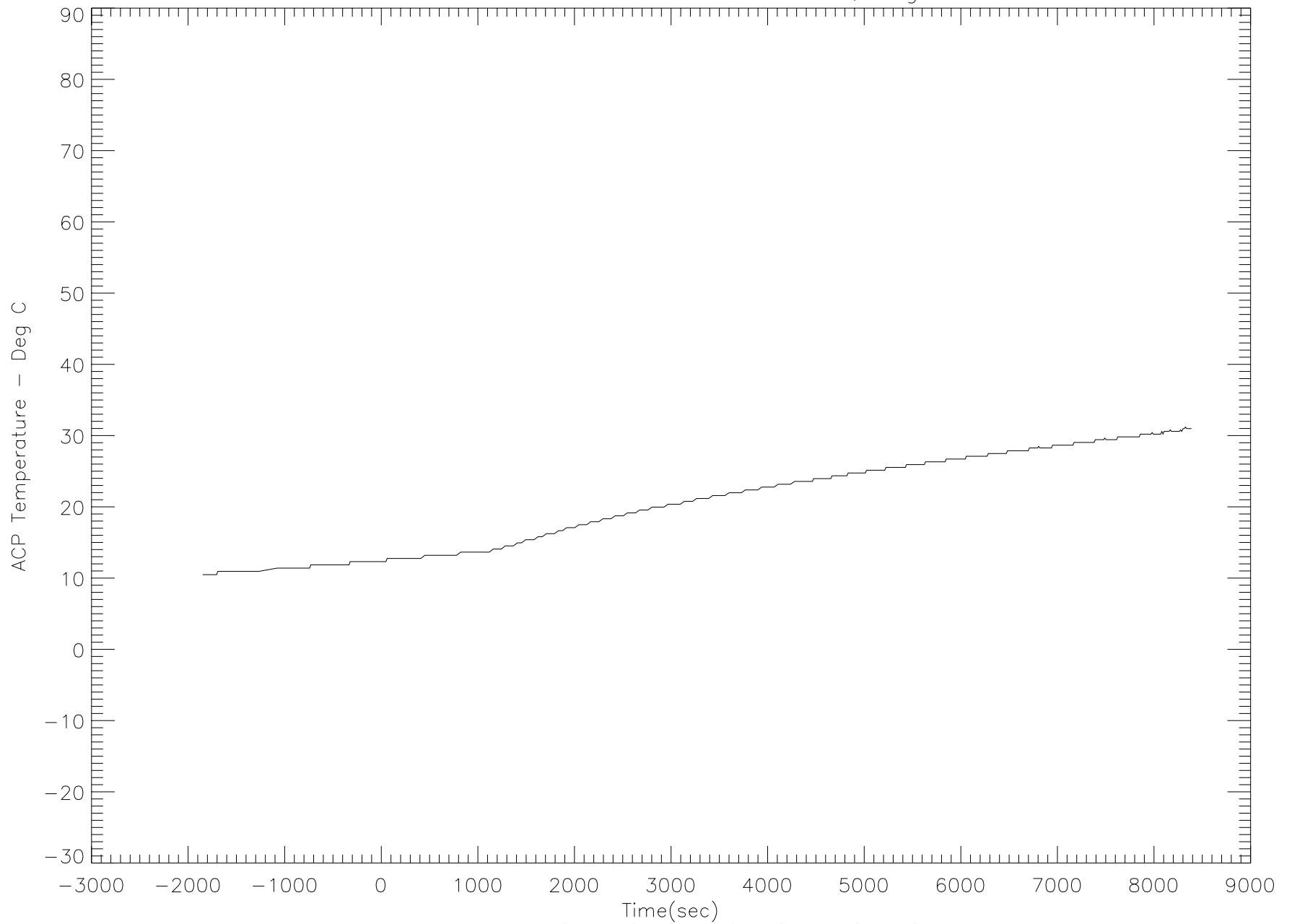
GCMS HK Data Value vs. Relative Time, Page 58



GCMS HK Data Value vs. Relative Time, Page 59



GCMS HK Data Value vs. Relative Time, Page 60



GCMS HK Data Value vs. Relative Time, Page 61

