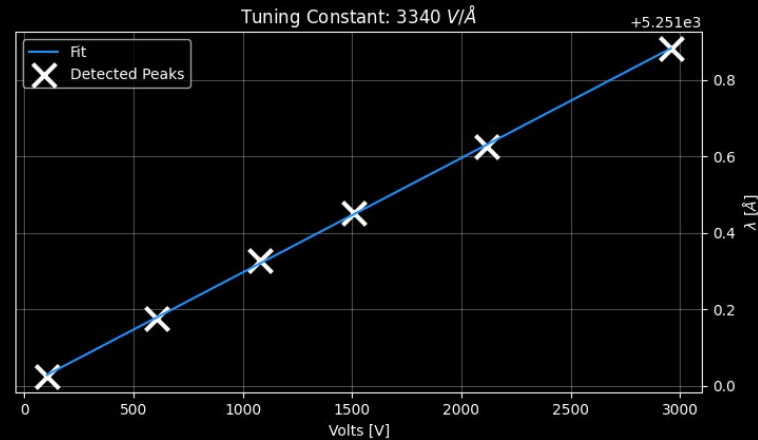
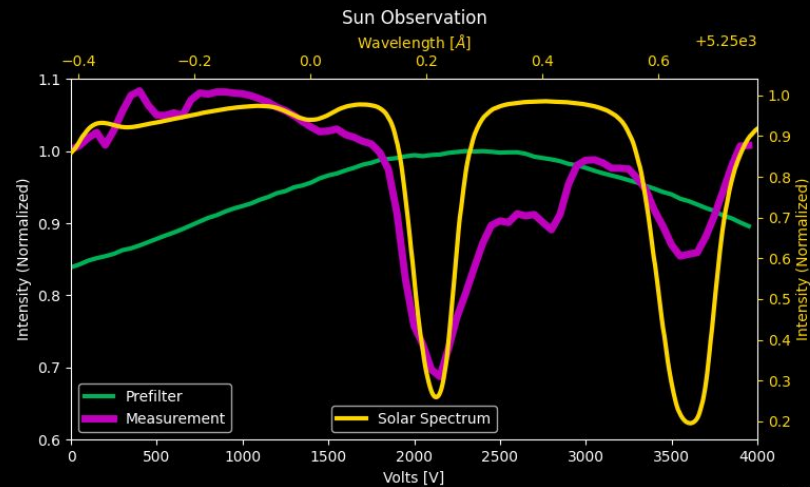


Spectral calibration summary

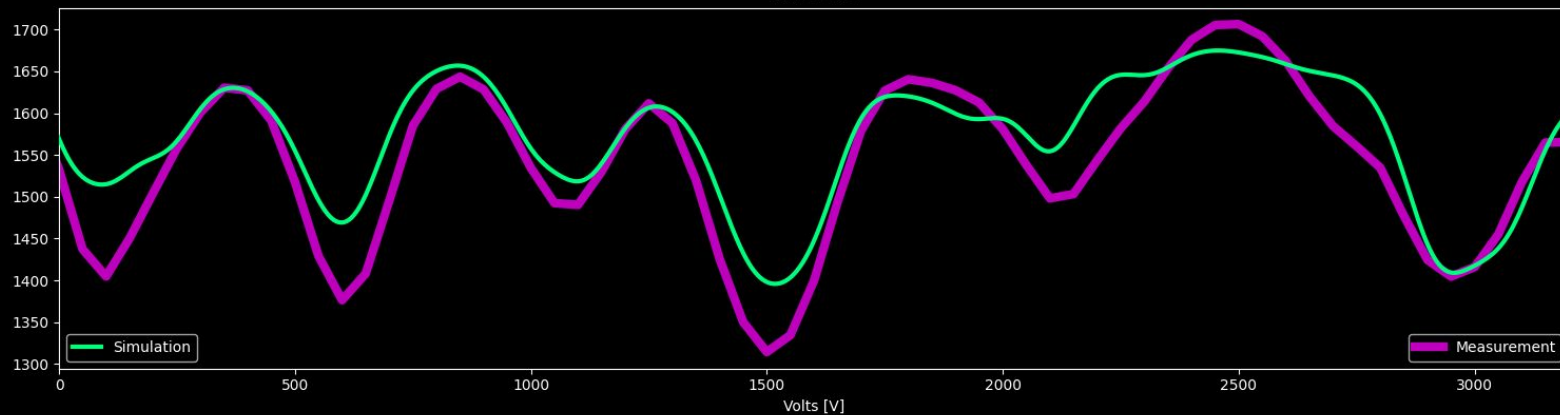
525.02 - INTA



525.02 Prefilter



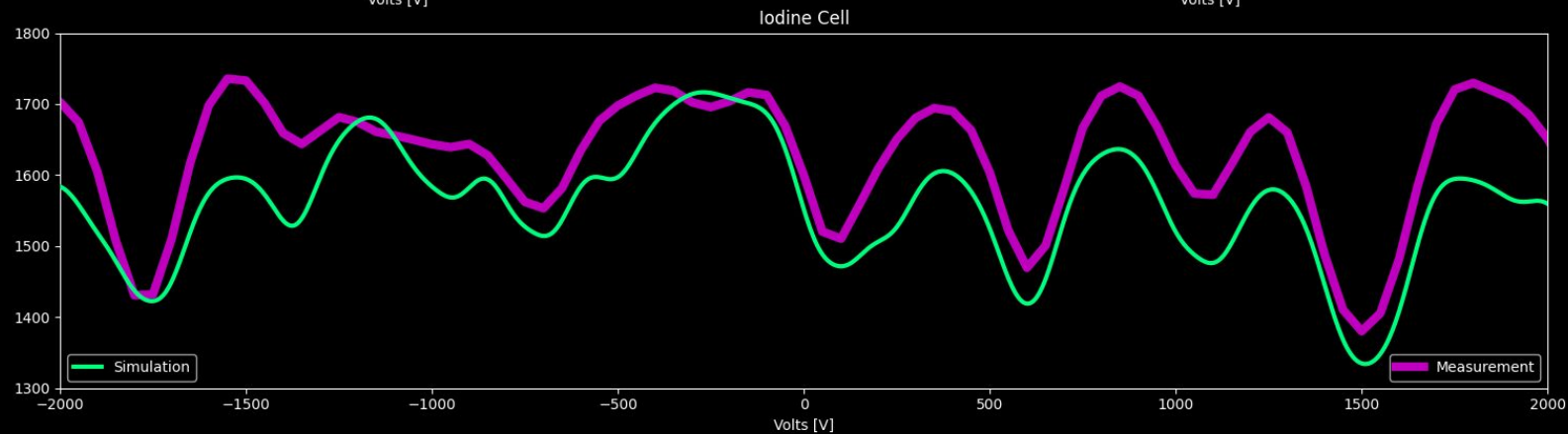
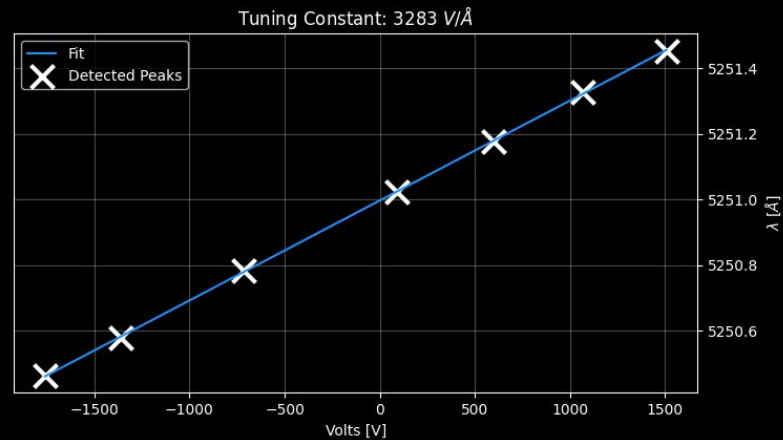
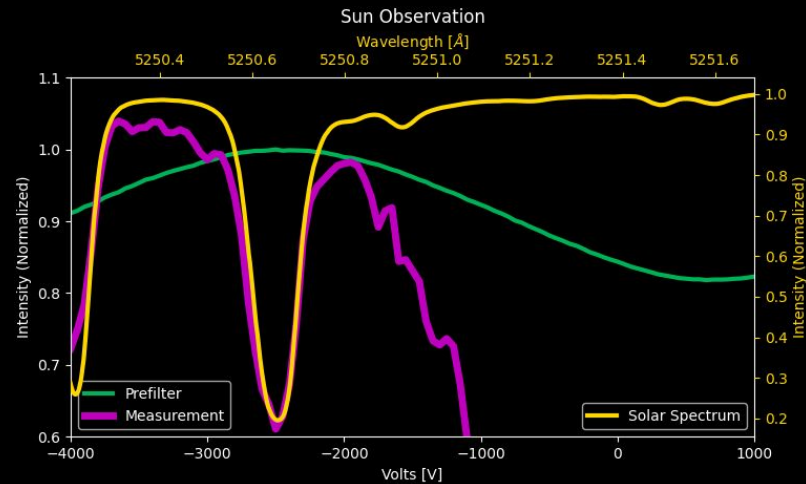
Iodine Cell



525.06 - INTA



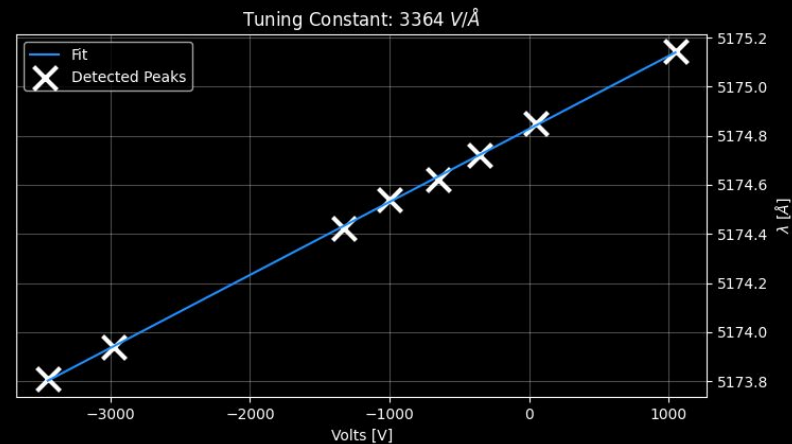
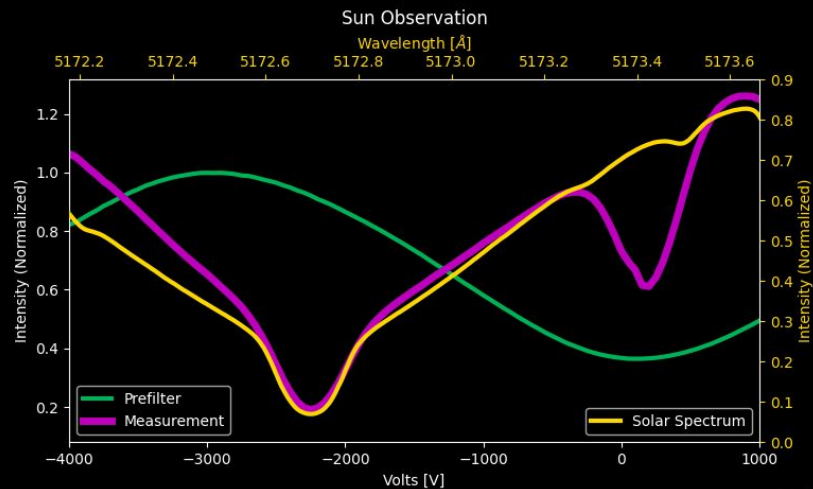
525.06 Prefilter



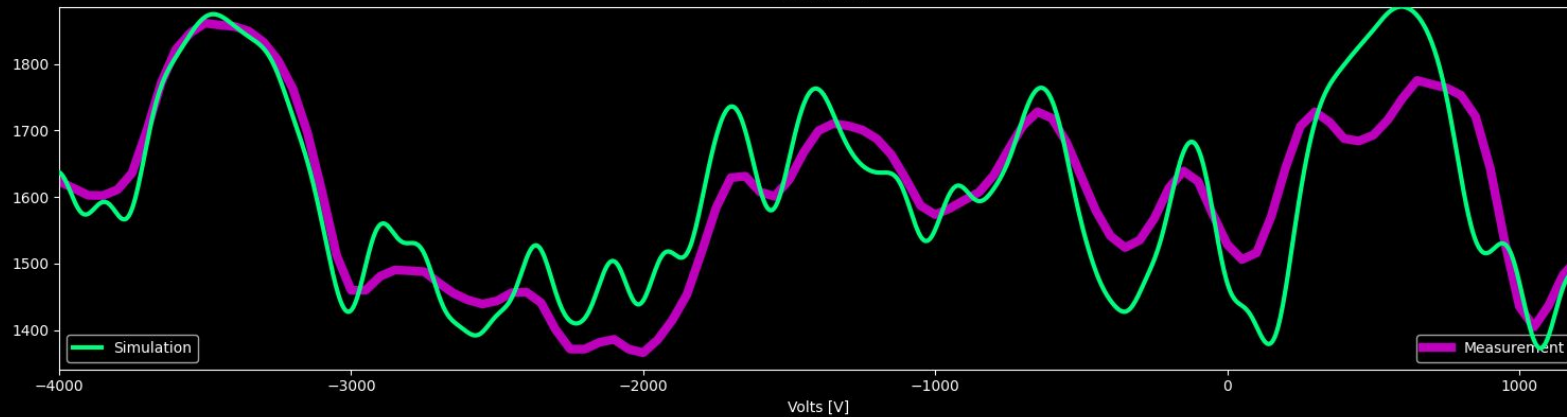
517 - INTA



517 Prefilter



Iodine Cell



517 - Etalon Second Order - INTA



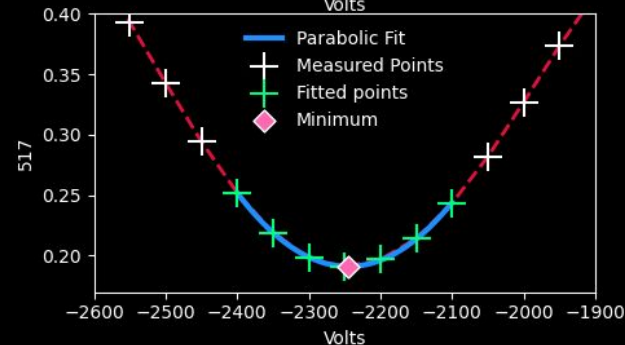
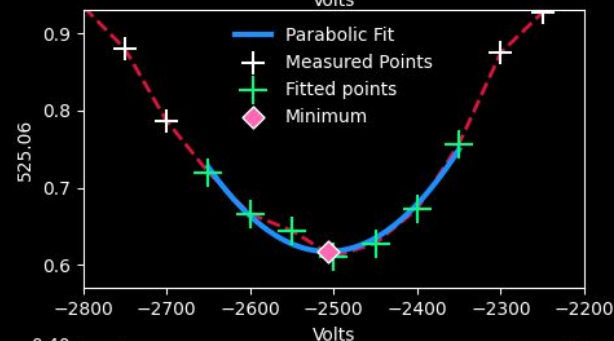
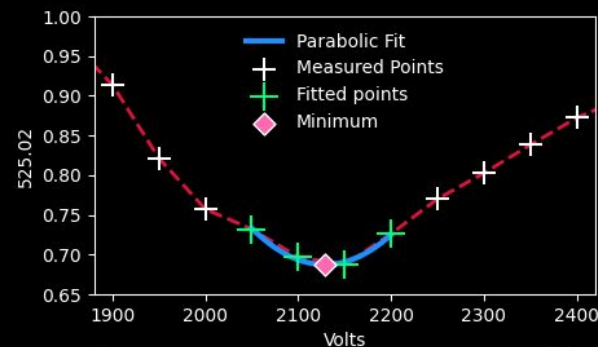
- There is contribution of secondary orders at ~0 Volts. Important for continuum observations.

RESULTS - INTA

Tuning Constant: $\sim 3330 \text{ [V/\AA]}$

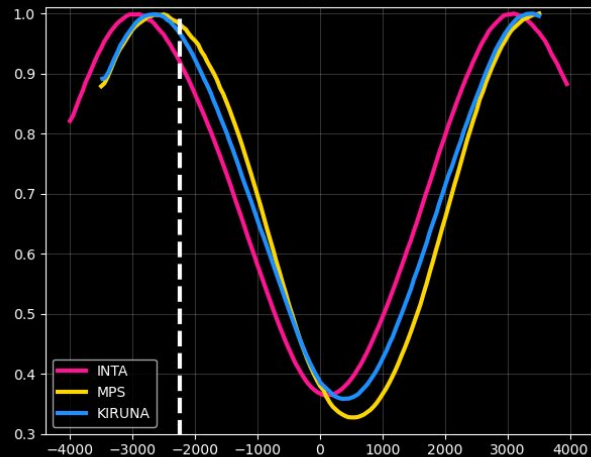
Found line cores:

- 525.02 : 2129 [V]
- 525.06 : - 2507 [V]
- 517.27 : - 2245 [V]

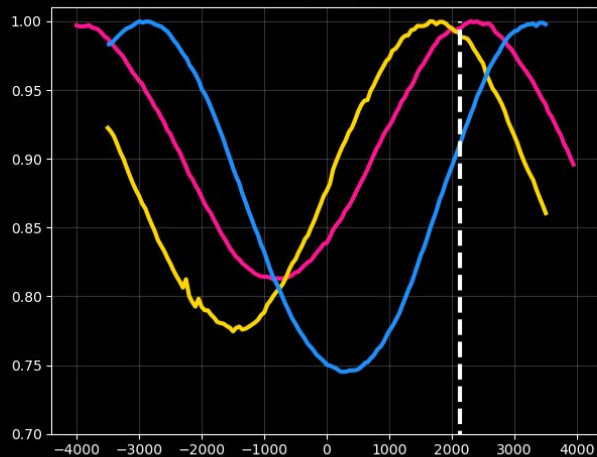


PREFILTER SCANS

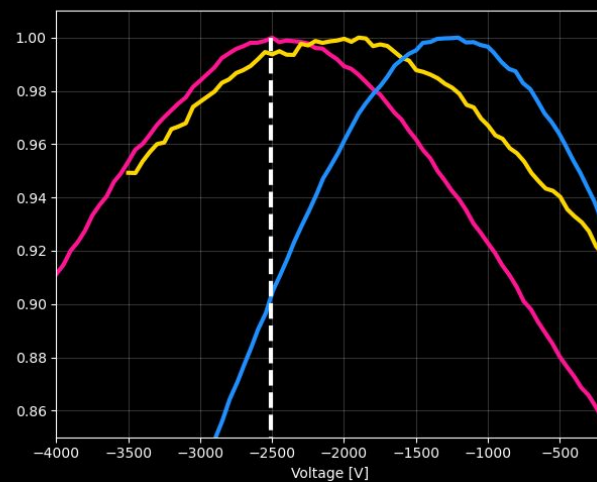
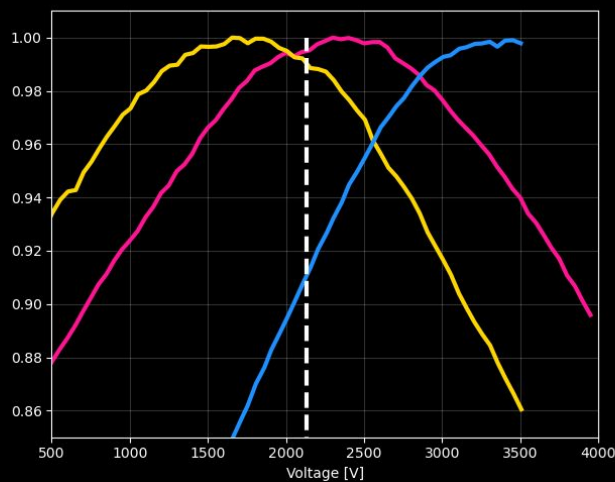
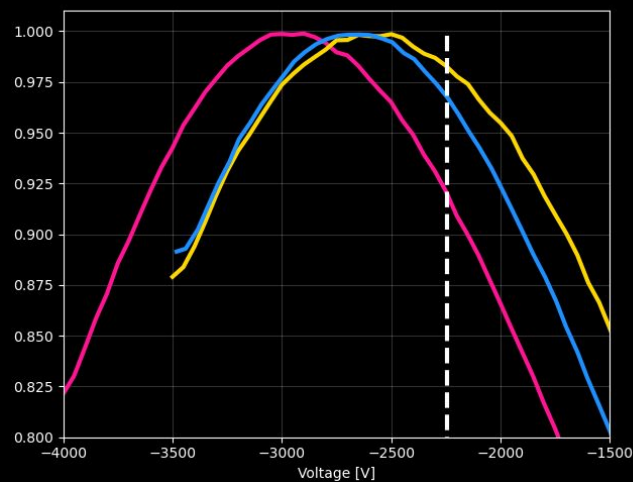
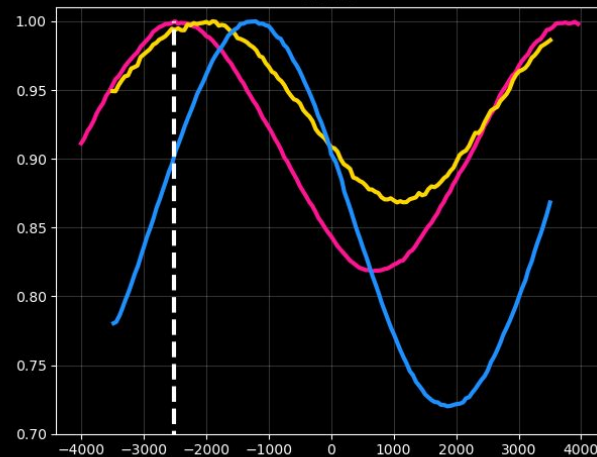
517



525.02

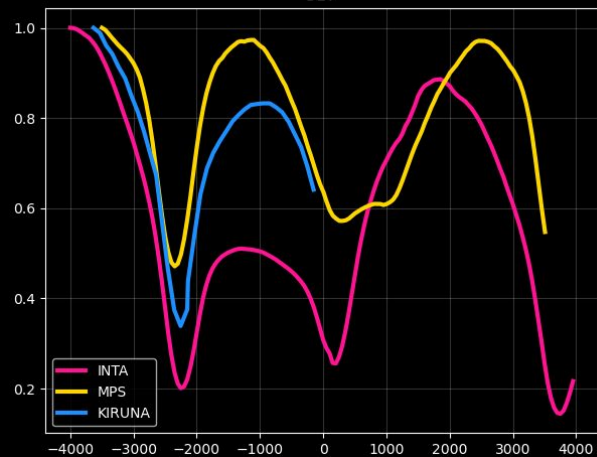


525.06

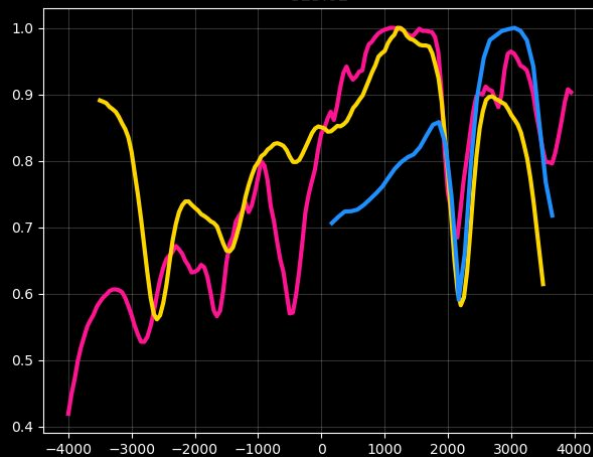


SUN OBS

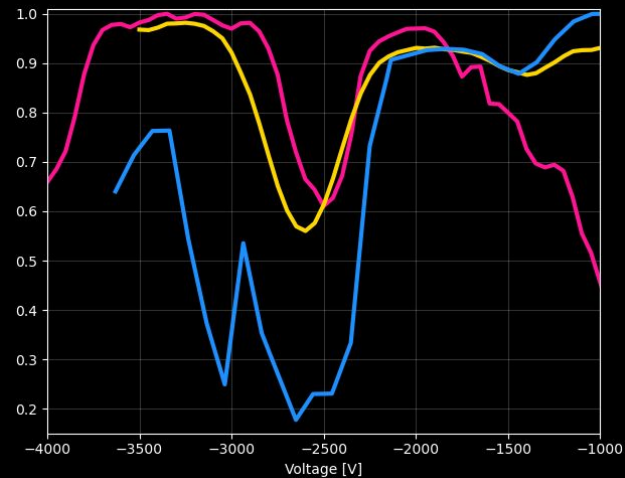
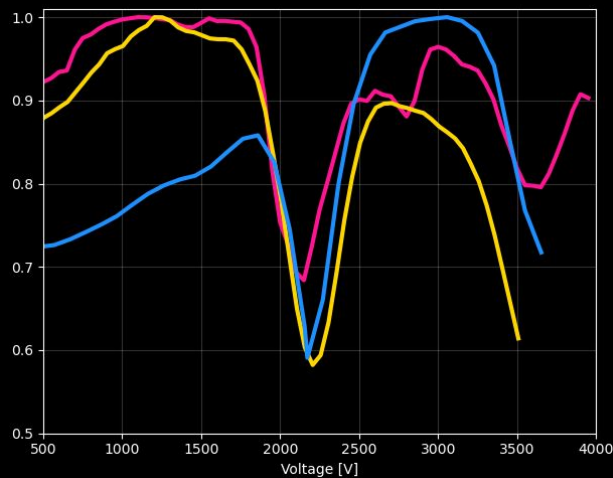
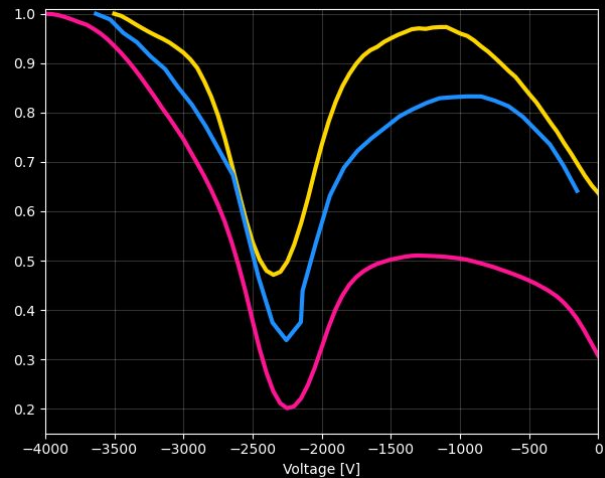
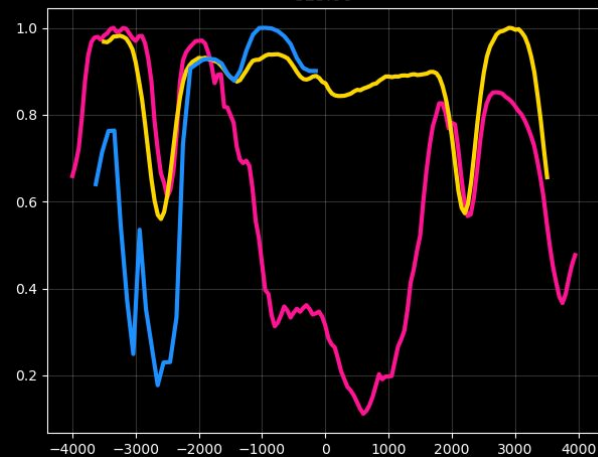
517



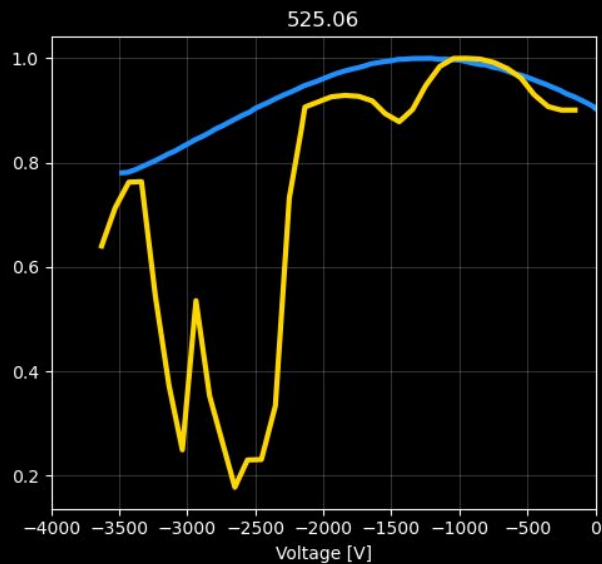
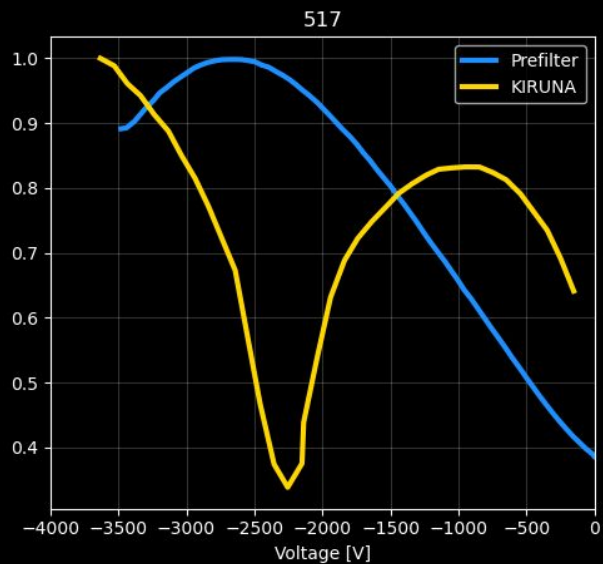
525.02



525.06



PREFILTER AND LINE



PREFILTERS

517	INTA	MPS	KIRUNA
FILTER TRANSMISSION PEAK	-2970 V / 5172.48 Å	-2600 V / 5172.59 Å	-2666 V / 5172.58 Å
SHIFT	-725 V / -0.22 Å	-355 V / -0.11 Å	-428 V / -0.13 Å

525.02	INTA	MPS	KIRUNA
FILTER TRANSMISSION PEAK	2320 V / 5250.27 Å	1655 V / 5250.08 Å	3381 V / 5250.59 Å
SHIFT	191 V / 0.06 Å	-474 V / -0.14 Å	1252 V / 0.37 Å

525.06	INTA	MPS	KIRUNA
FILTER TRANSMISSION PEAK	-2470 V / 5250.66 Å	-2111 V / 5250.76 Å	-1240 V / 5251.01 Å
SHIFT	37 V / 0.01 Å	396 V / 0.11 Å	1267 V / 0.37 Å

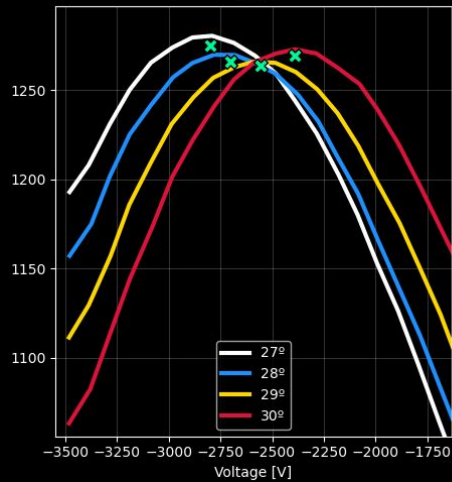
Voltages values accurate up to 100V (30 mÅ)

FITTING

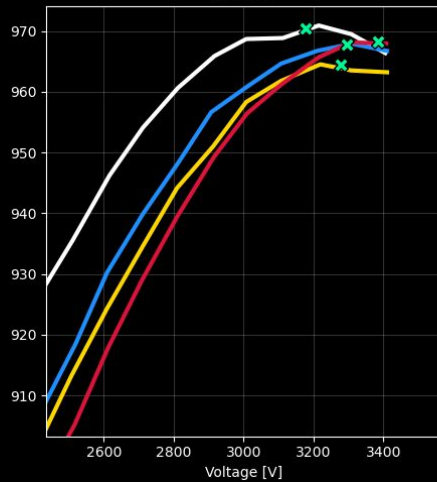
Fitting DATA	517	525.02	525.06
Line Core	-2241	2070	-2673
Slope [Å / V]	~3.1x10 ⁻⁴	~2.9x10 ⁻⁴	~2.9x10 ⁻⁴
Slope [V / Å]	~3360	~3340	-3280
Intercept [Å]	5173.39	5249.58	5251.37

PREFILTER TEMPERATURE TEST

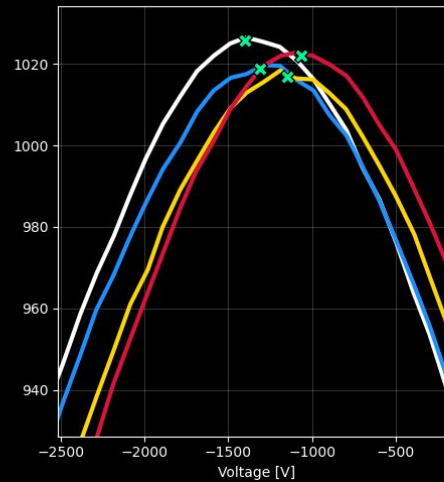
517



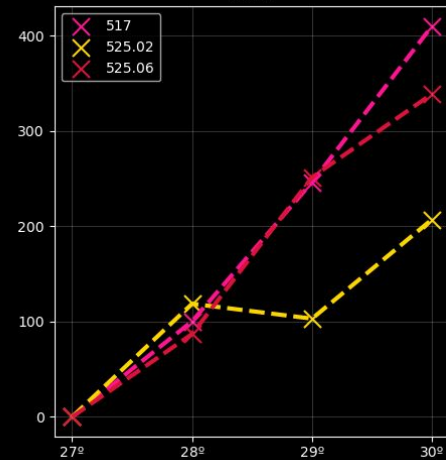
525.02



525.06



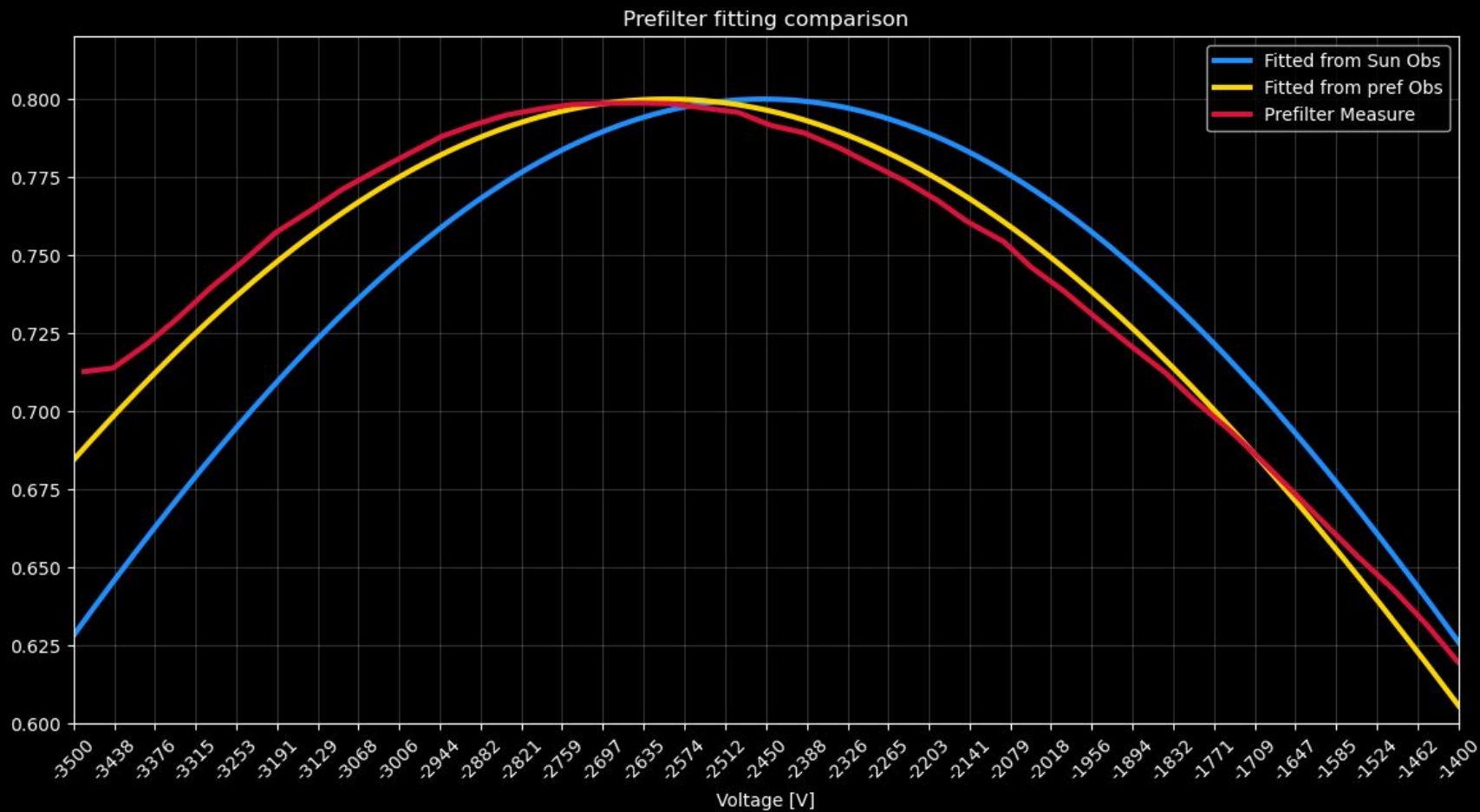
Shift



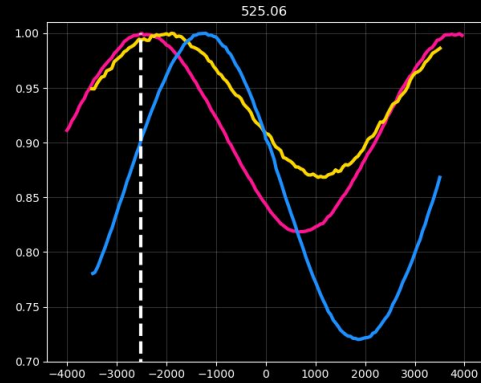
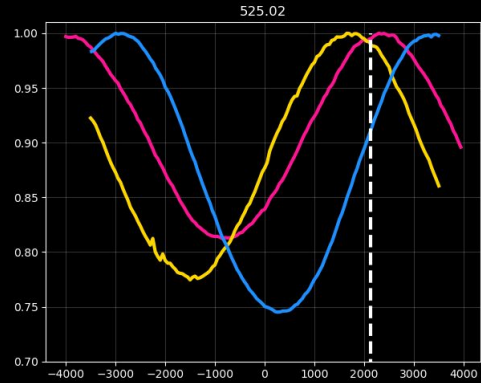
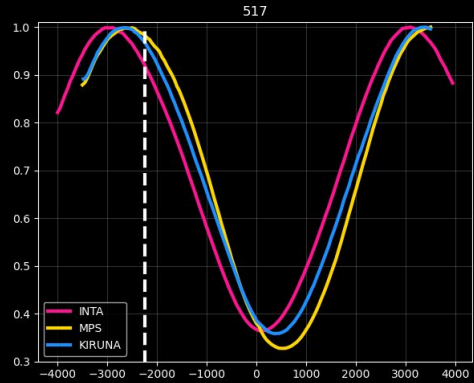
Mg SIMULATIONS



Mg SIMULATIONS

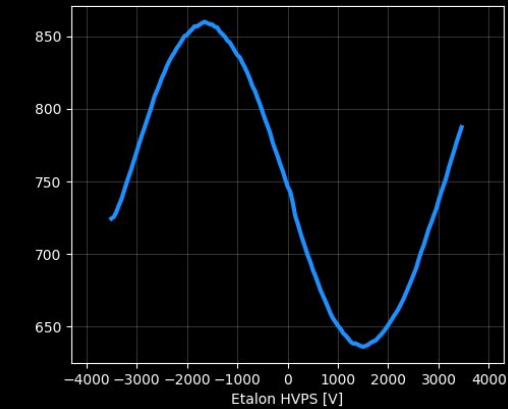
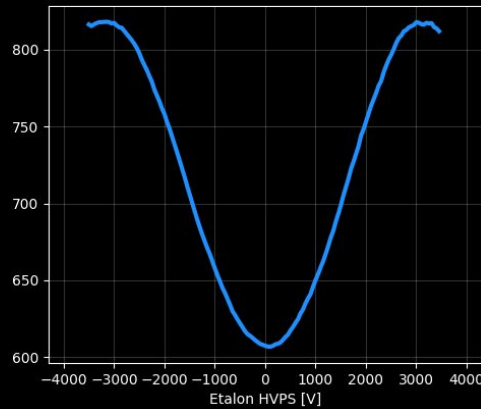
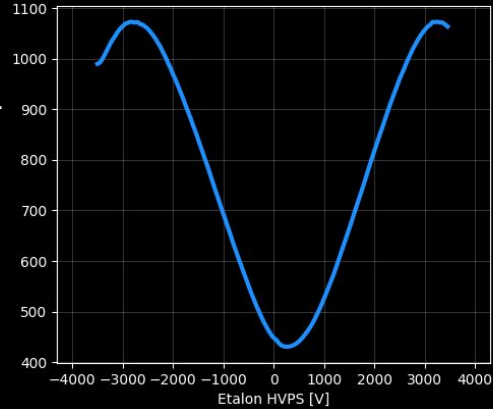


PRE-FLIGHT
SCANS



Spectral Scans 16 September - Kiruna

POST-FLIGHT
SCANS



Transmission peaks	525.02	525.06	517
PRE-FLIGHT	3381 V	-1240 V	-2666 V
POST-FLIGHT	3100 V	-1650	-2800 V

Sun Obs Kiruna (May 2024)

