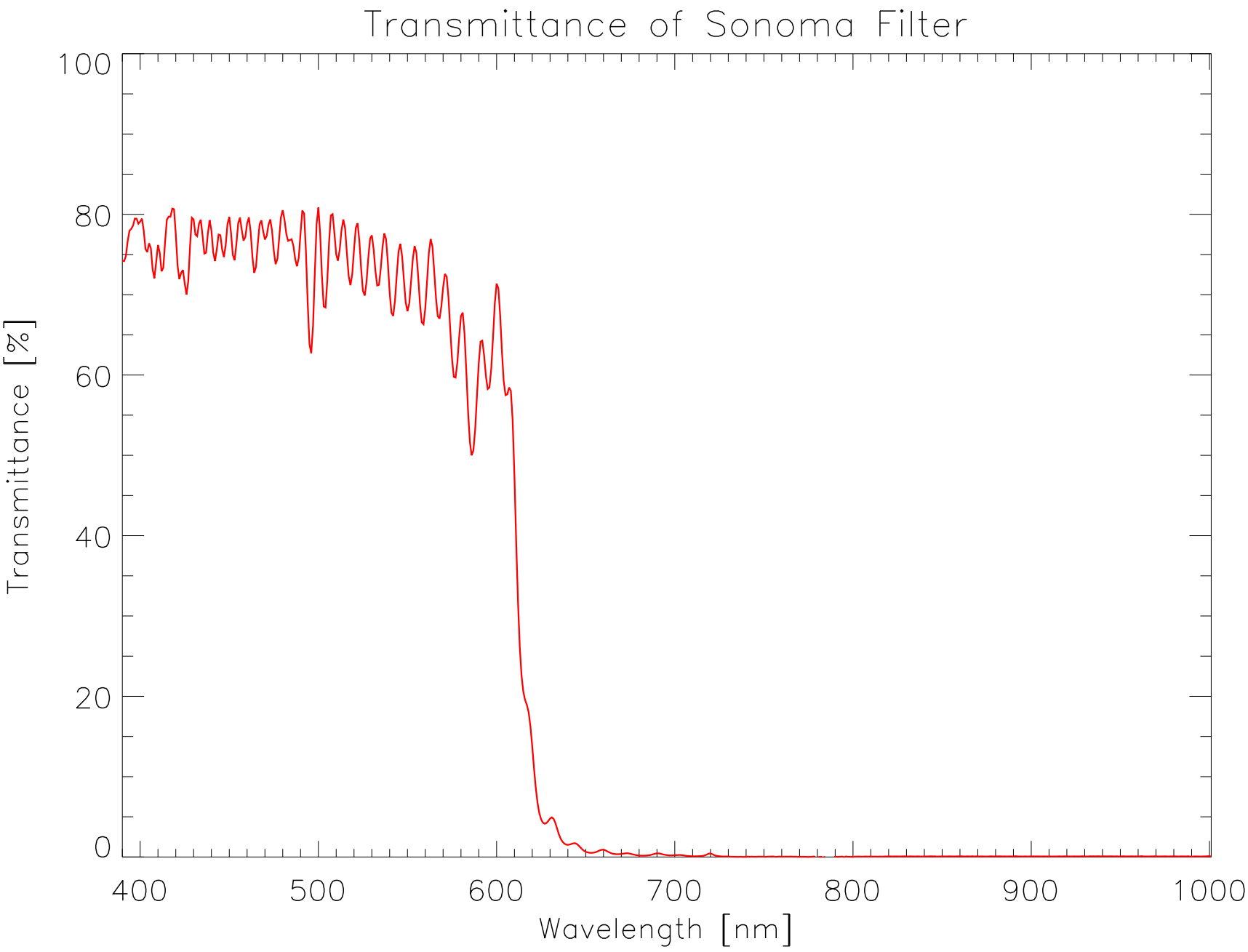
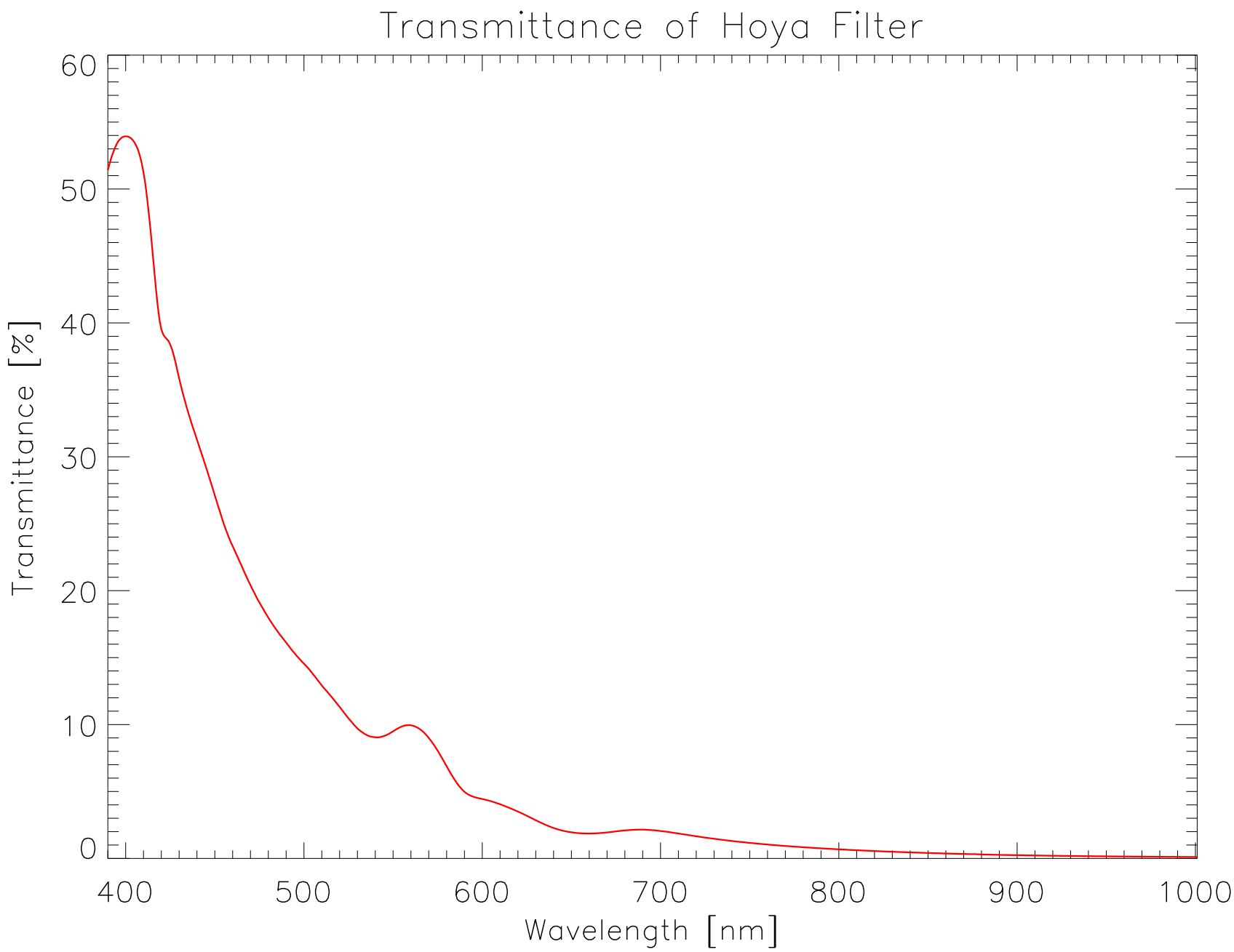
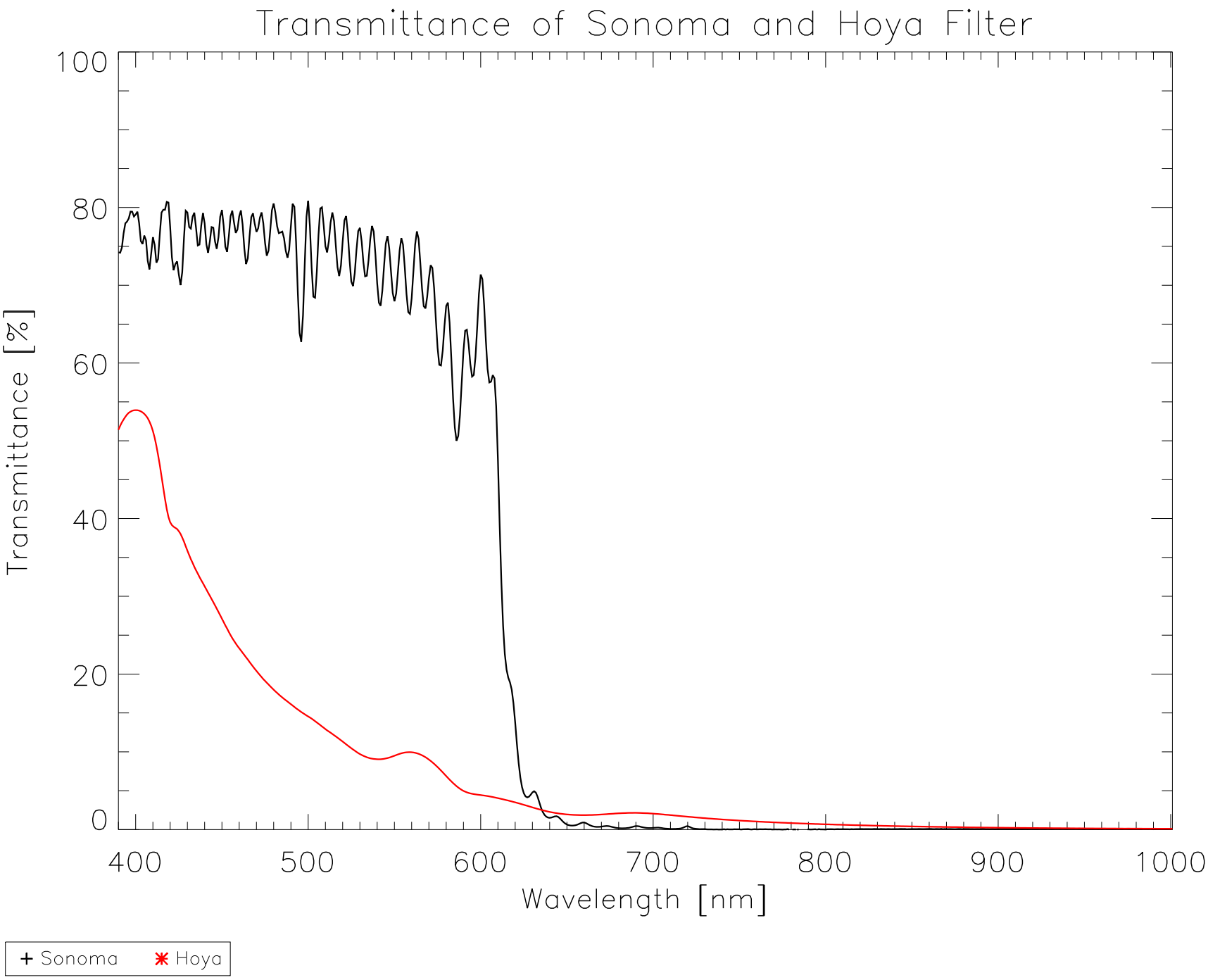
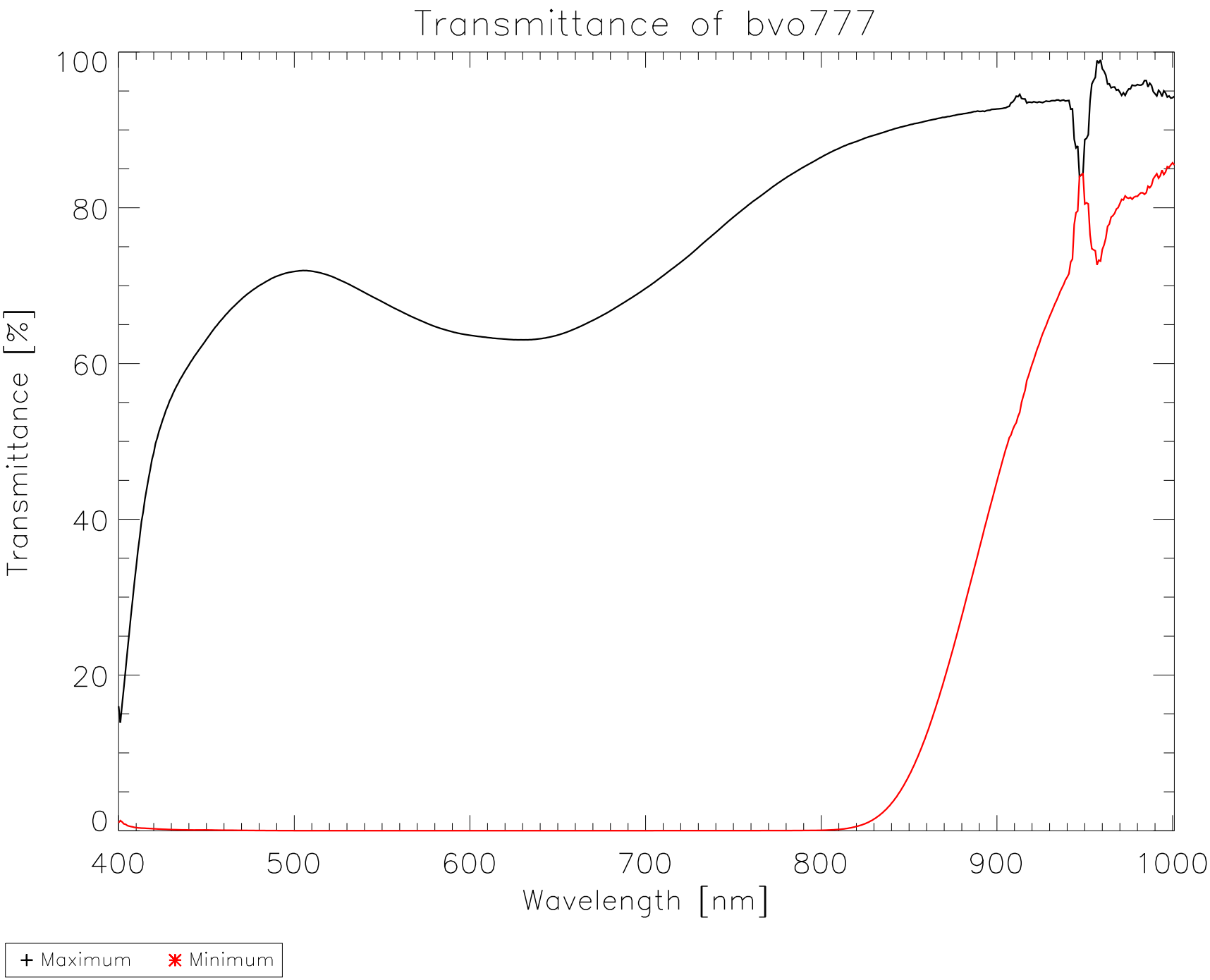
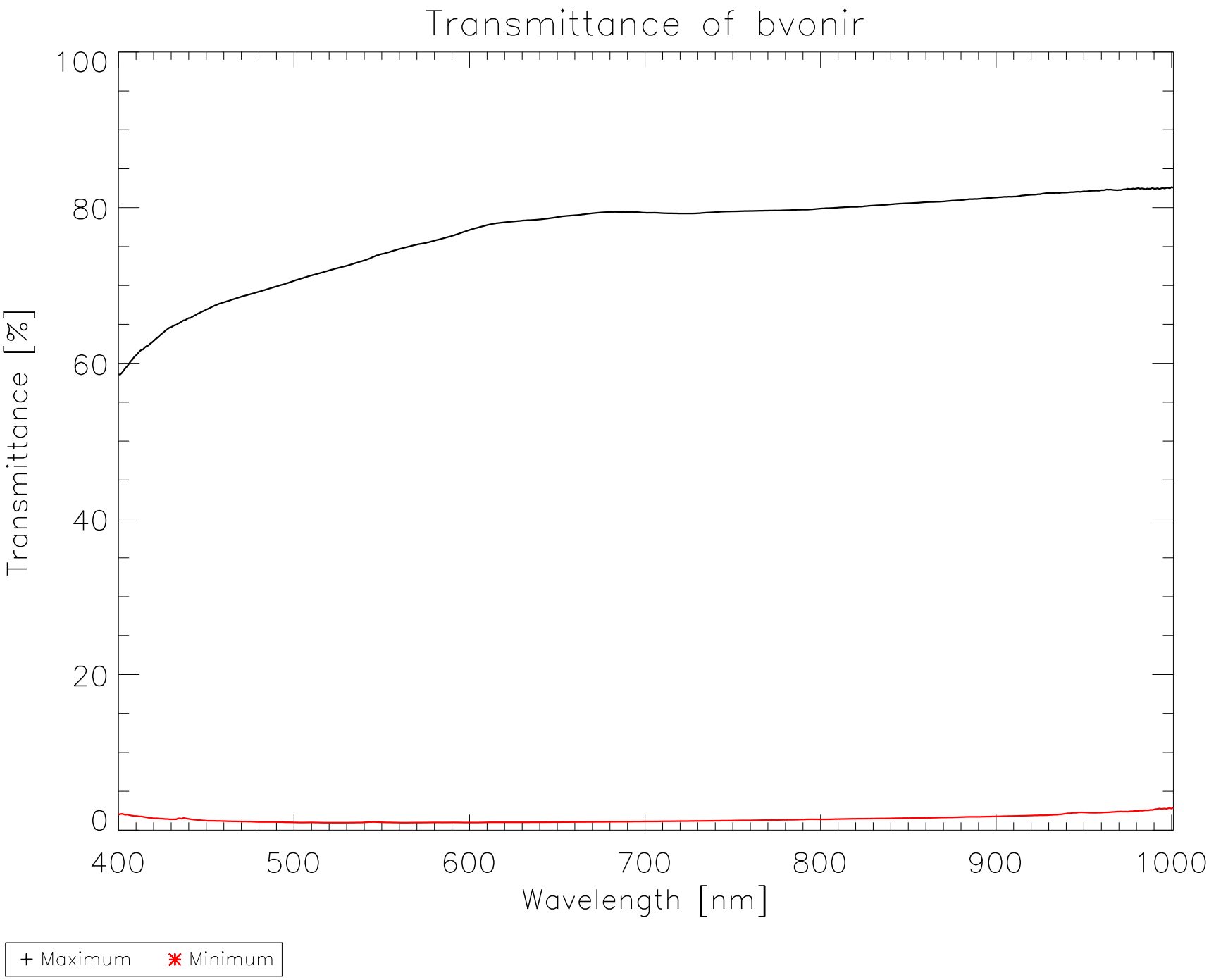
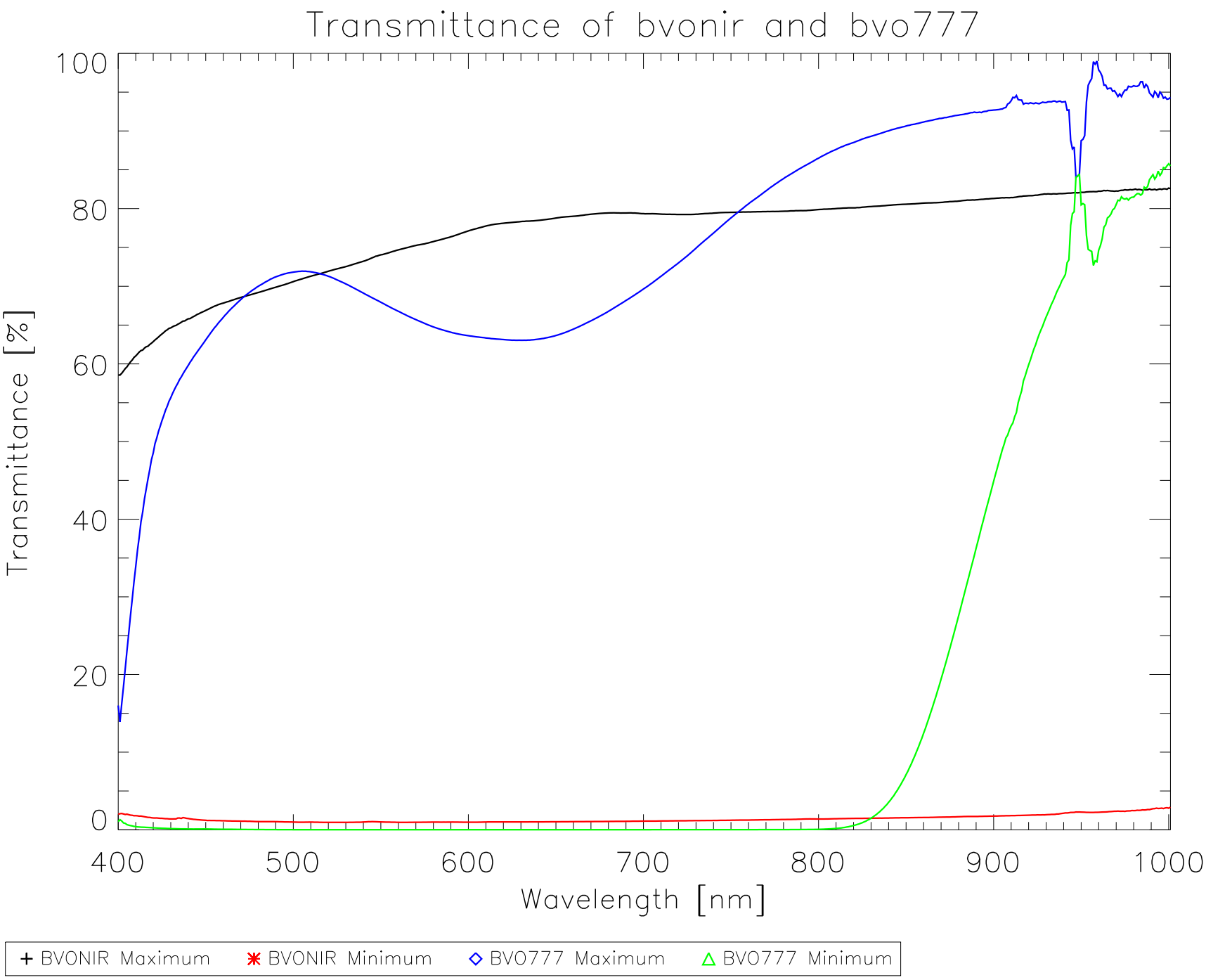

Transmittance of Sonoma Filter
Transmittance [%]
100
80
60
40
20
0
400
500
600
700
800
900
1000
Wavelength [nm]

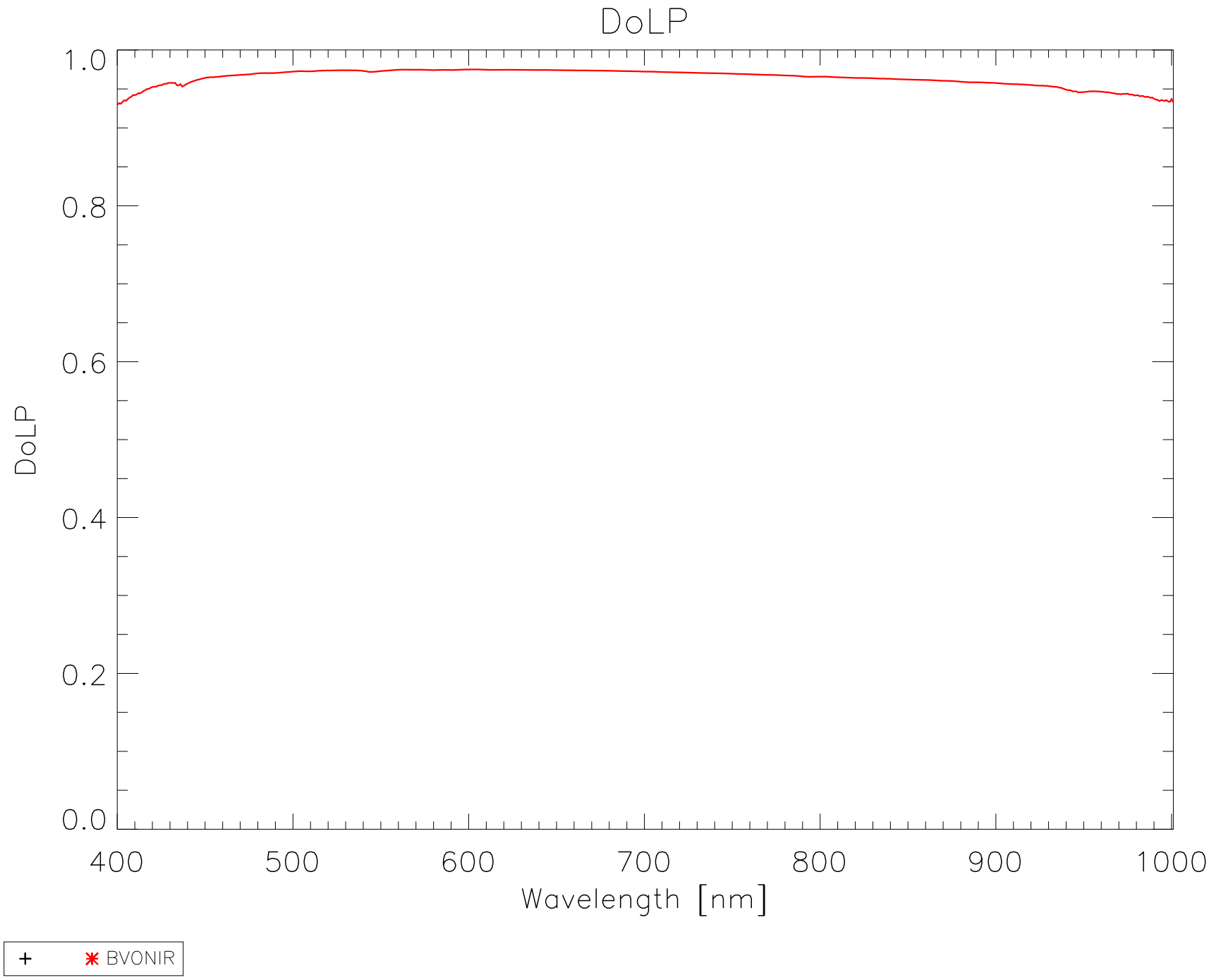

Transmittance of Hoya Filter
Transmittance [%]
0
10
20
30
40
50
60
400
500
600
700
800
900
1000
Wavelength [nm]

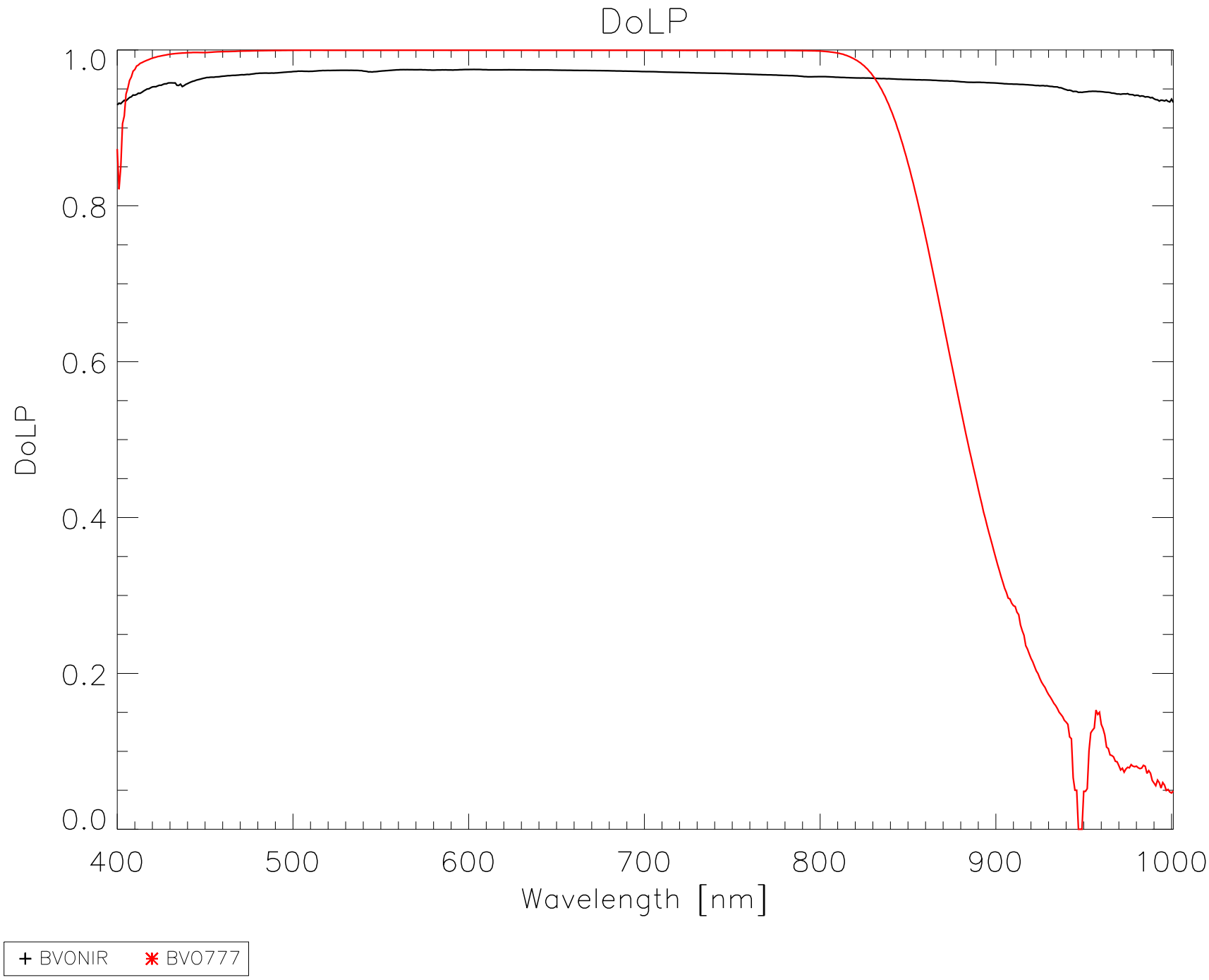

Transmittance of Sonoma and Hoya Filter
100
80
60
40
20
0
Transmittance [%]
400
500
600
700
800
900
1000
Wavelength [nm]
Sonoma
Hoya

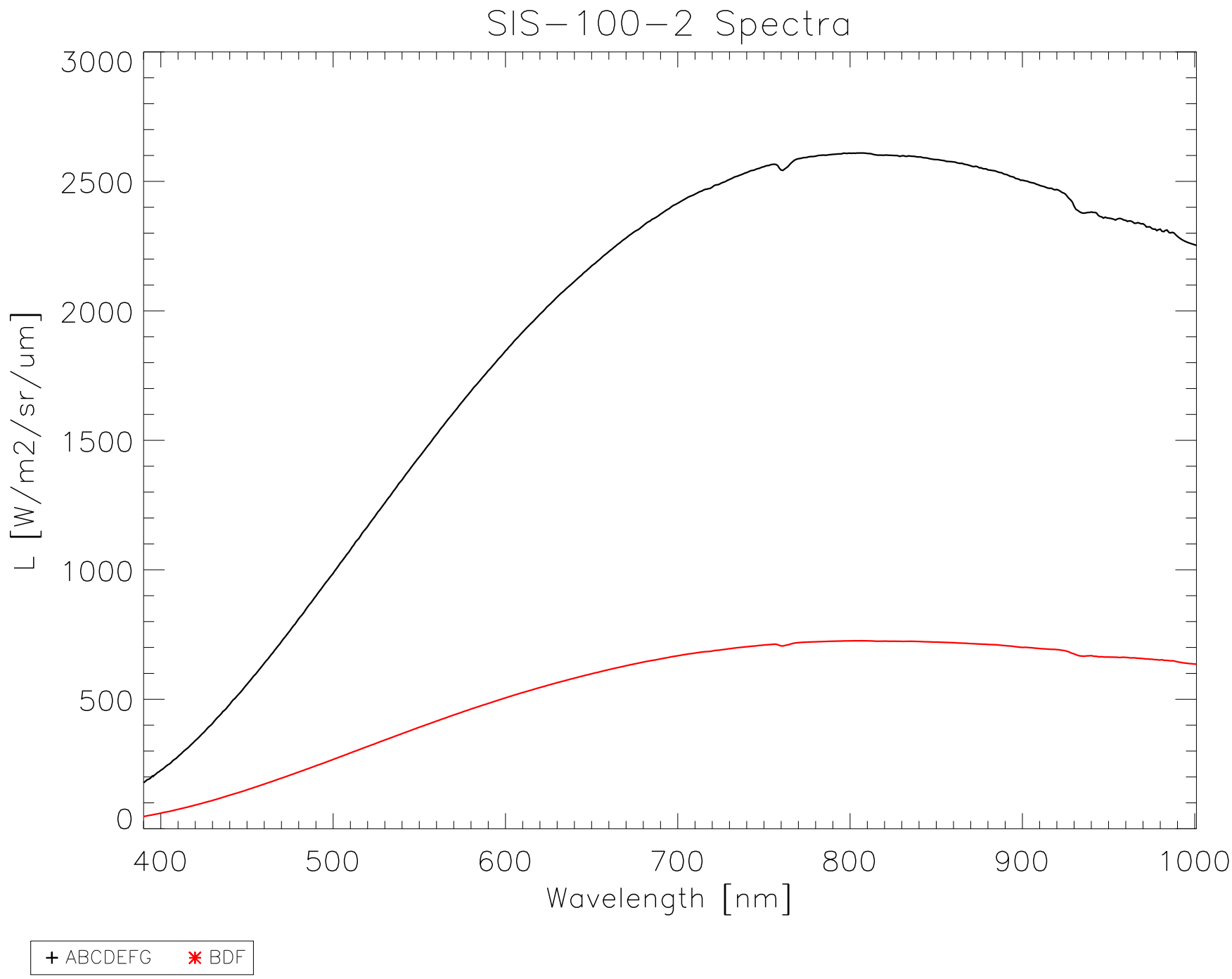

Transmittance of bvo777
Transmittance [%]
100
80
60
40
20
0
400
500
600
700
800
900
1000
Wavelength [nm]
+ Maximum
* Minimum

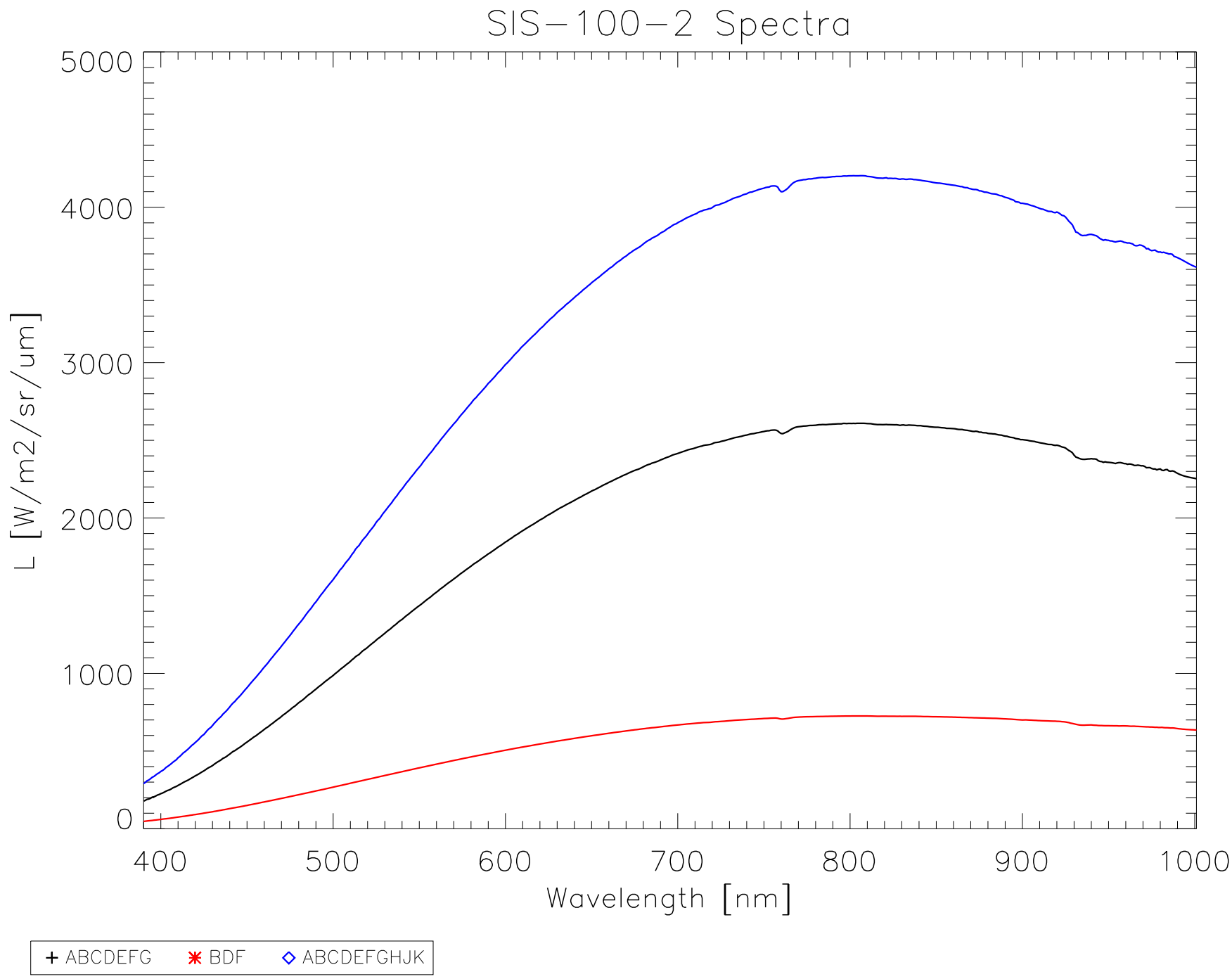

Transmittance of bvonir
100
80
60
40
20
0
Transmittance [%]
400
500
600
700
800
900
1000
Wavelength [nm]
Maximum
Minimum

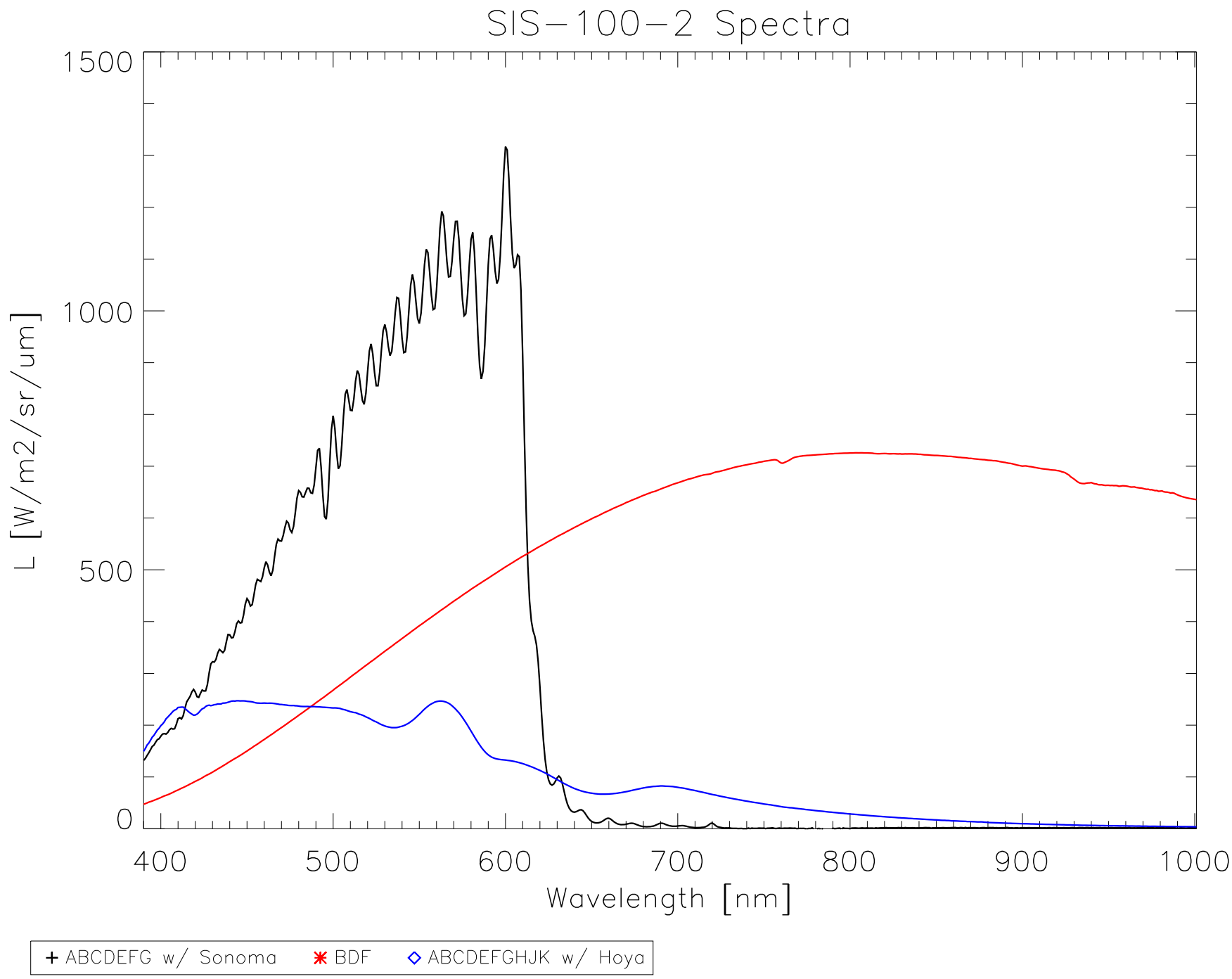

Transmittance of bvonir and bvo777
Transmittance [%]
100
80
60
40
20
0
400
500
600
700
800
900
1000
Wavelength [nm]
BVONIR Maximum
BVONIR Minimum
BVO777 Maximum
BVO777 Minimum

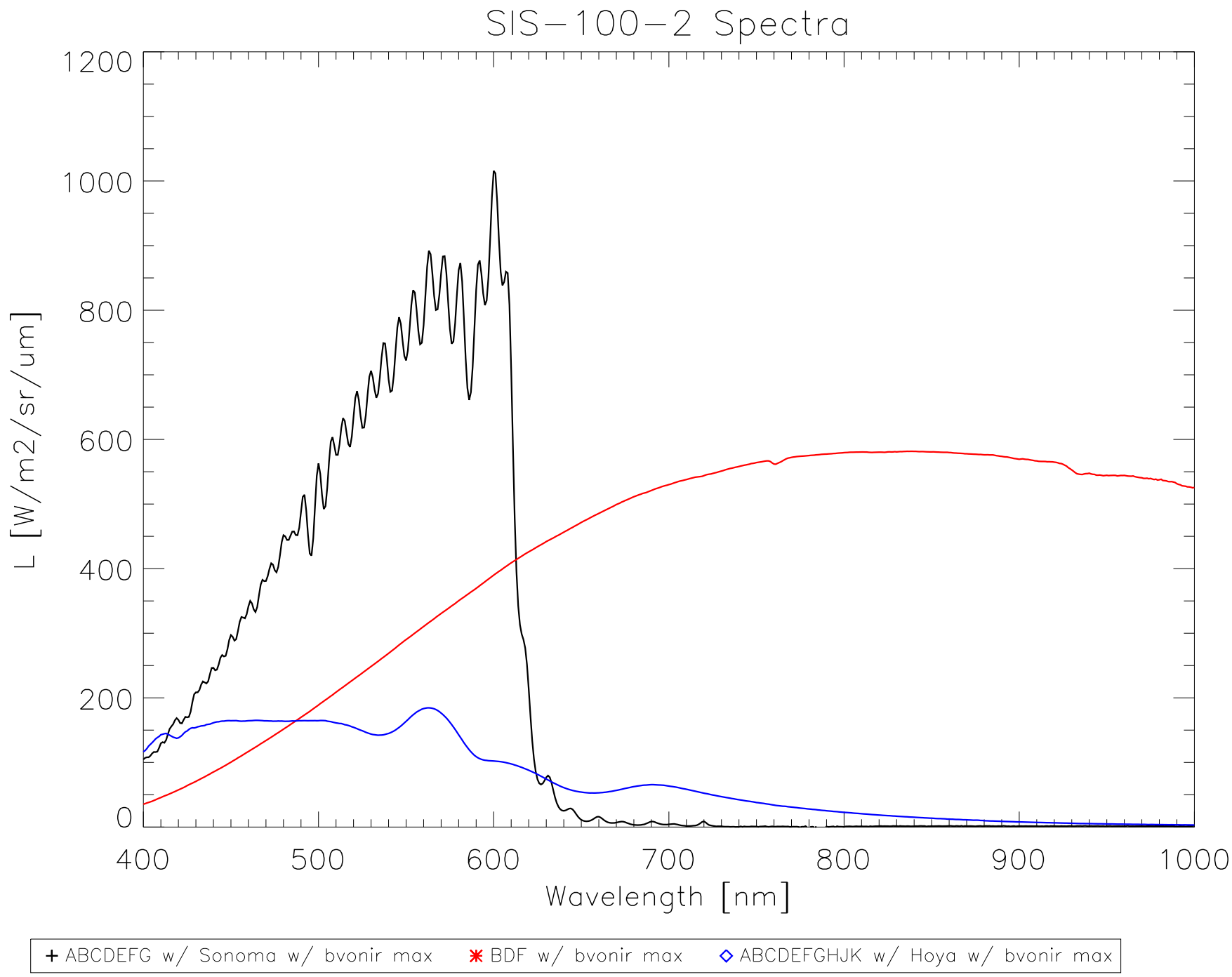

DoLP
1.0
0.8
0.6
0.4
0.2
0.0
DoLP
400
500
600
700
800
900
1000
Wavelength [nm]
BVONIR

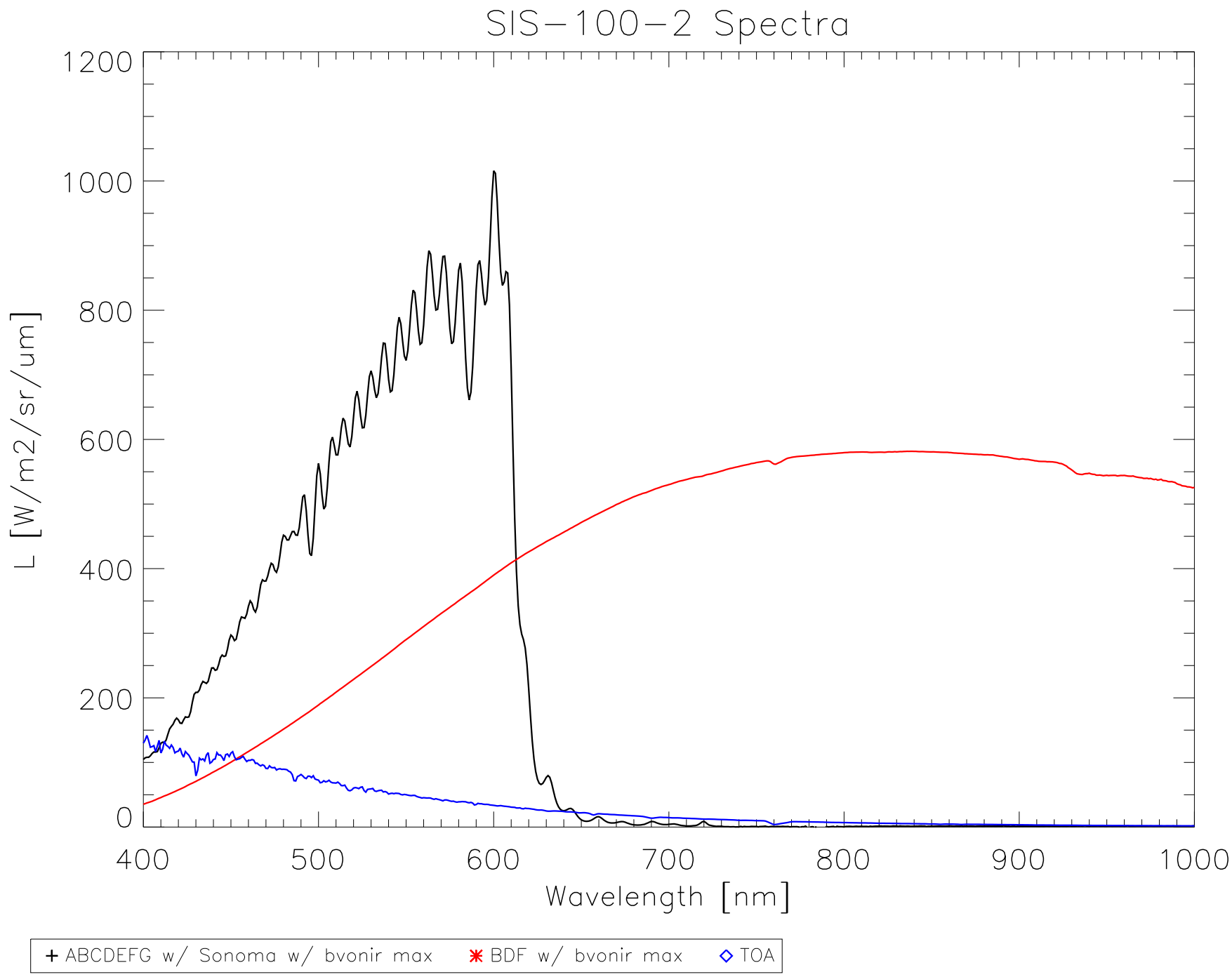

DoLP
1.0
0.8
0.6
0.4
0.2
0.0
DoLP
400
500
600
700
800
900
1000
Wavelength [nm]
BVONIR
BVO777

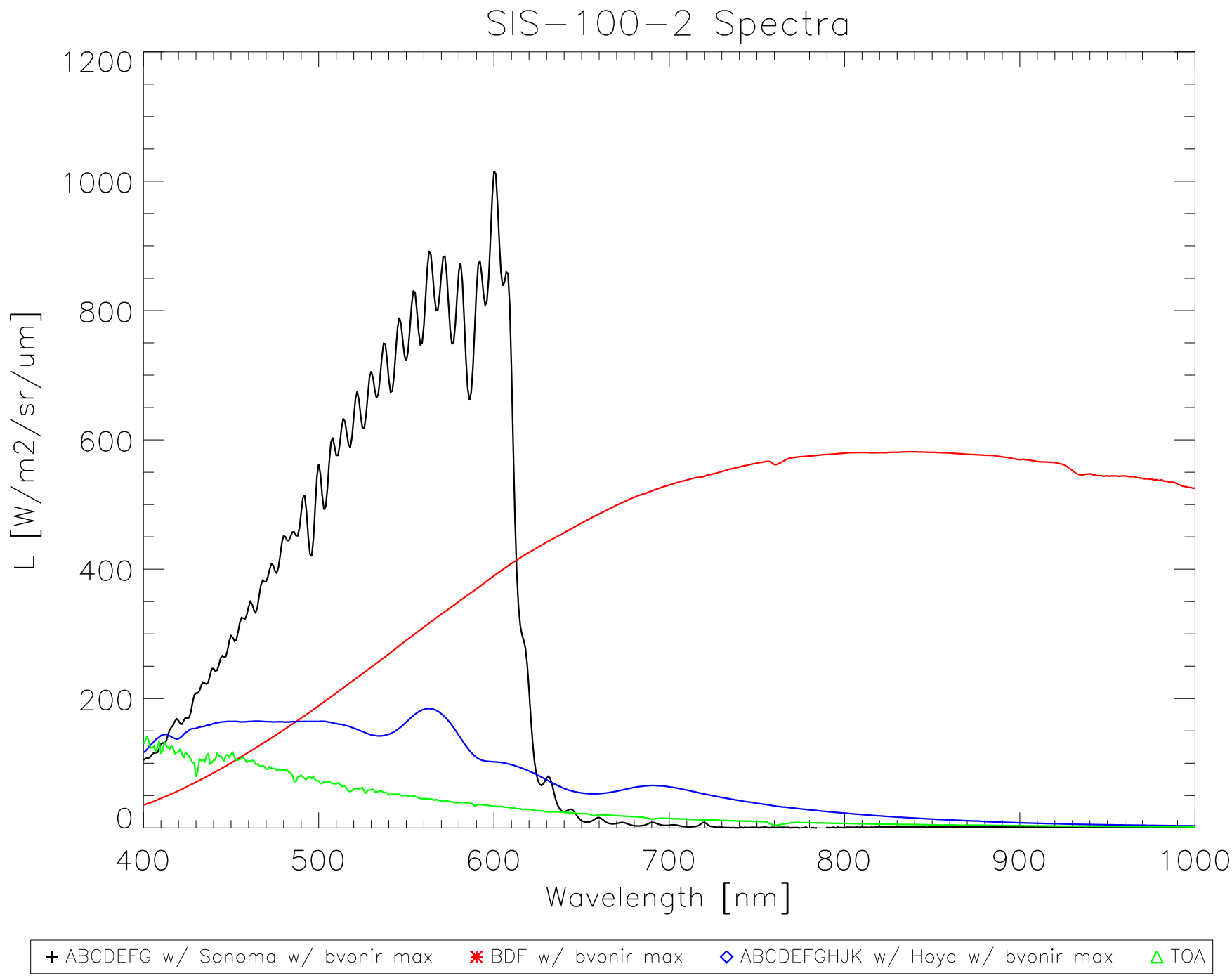

SIS-100-2 Spectra
3000
2500
2000
1500
1000
500
0
L [W/m2/sr/um]
400
500
600
700
800
900
1000
Wavelength [nm]
+ ABCDEFG
* BDF

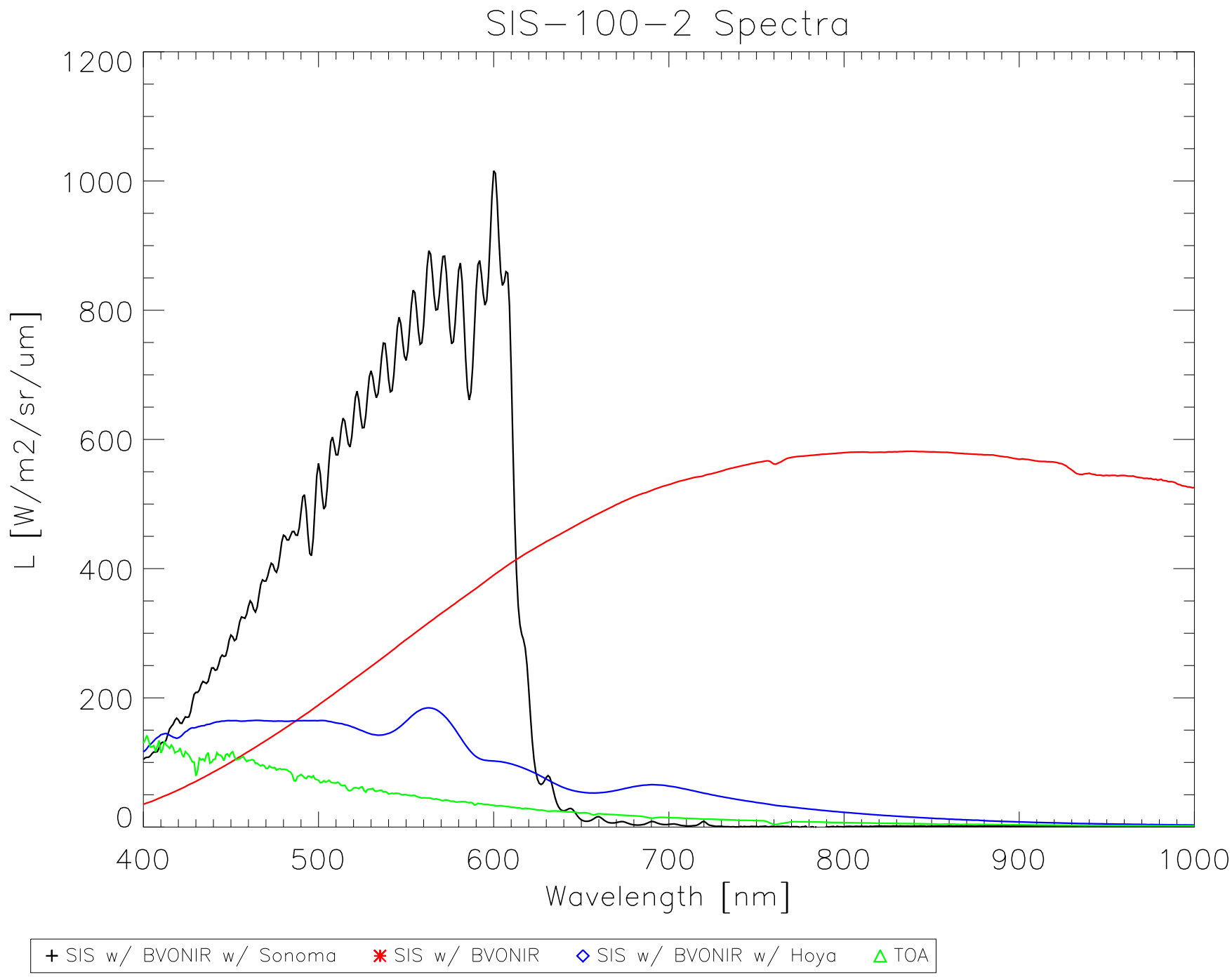

SIS-100-2 Spectra
5000
4000
3000
2000
1000
0
L [W/m2/sr/um]
400
500
600
700
800
900
1000
Wavelength [nm]
ABCDEFG
BDF
ABCDEFGHJK

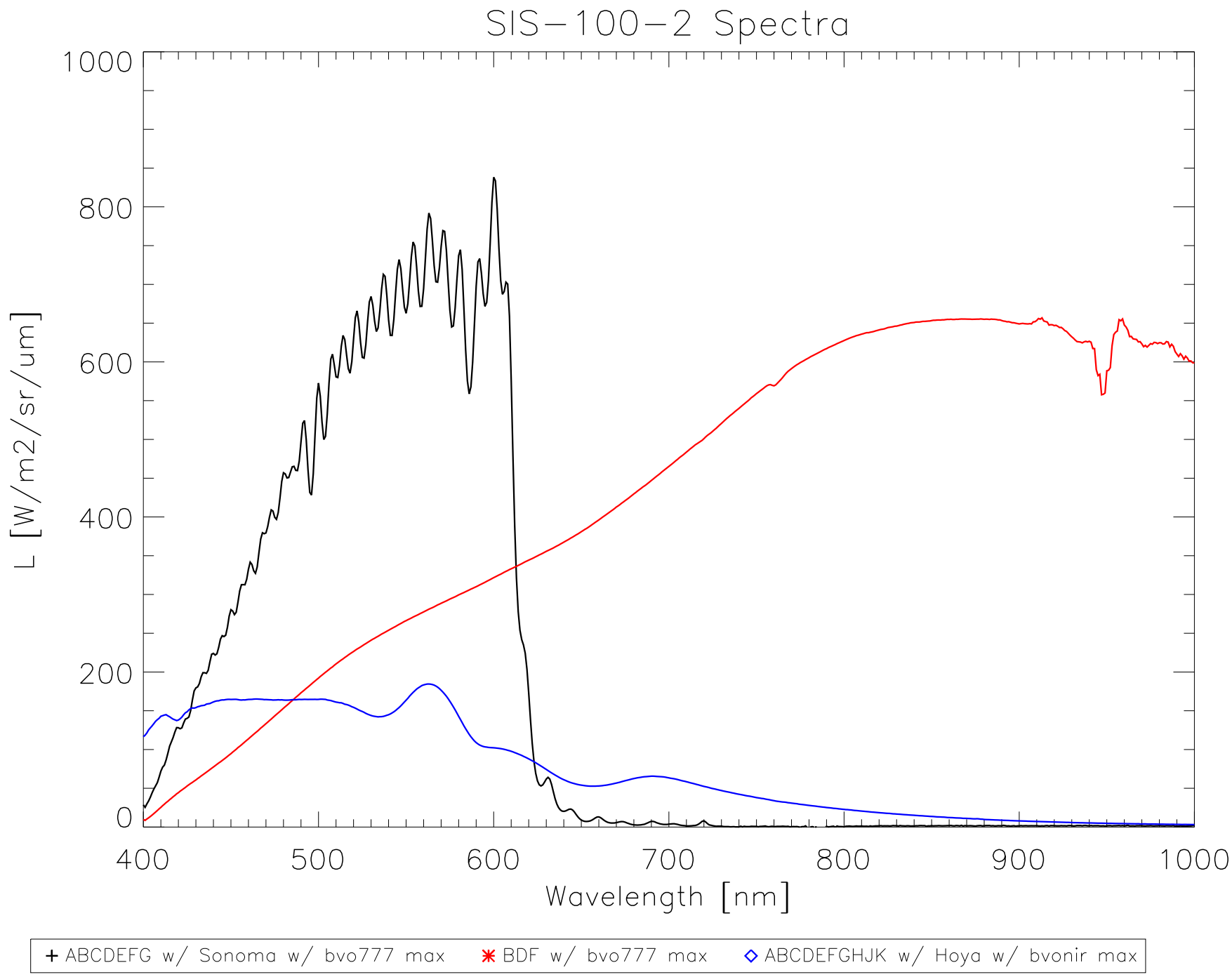

SIS-100-2 Spectra
1500
1000
500
0
L [W/m2/sr/um]
400
500
600
700
800
900
1000
Wavelength [nm]
ABCDEFG w/ Sonoma
BDF
ABCDEFGHJK w/ Hoya

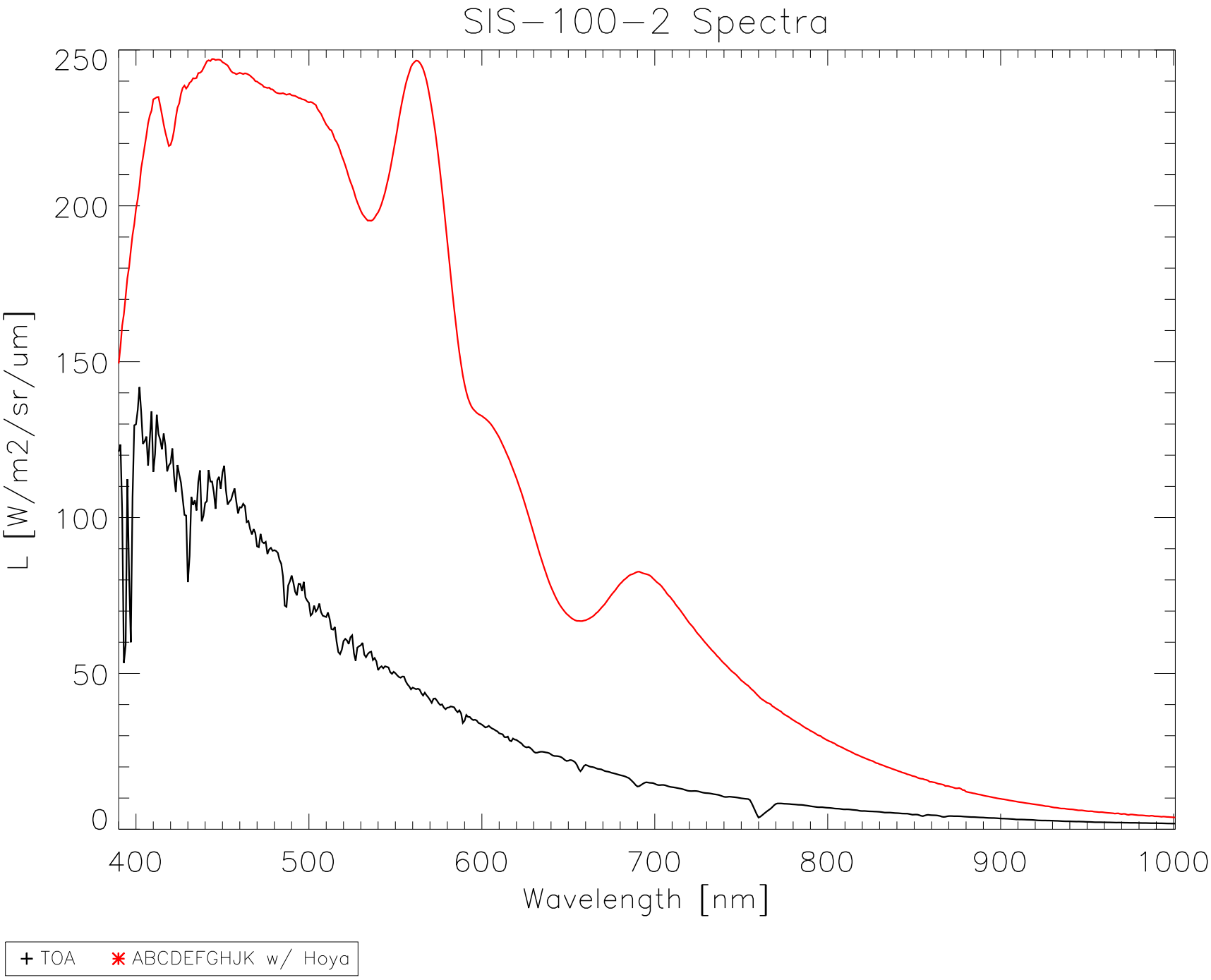

SIS-100-2 Spectra
1200
1000
800
600
400
200
0
L [W/m2/sr/um]
400
500
600
700
800
900
1000
Wavelength [nm]
+ ABCDEFG w/ Sonoma w/ bvonir max
BDF w/ bvonir max
ABCDEFGHJK w/ Hoya w/ bvonir max

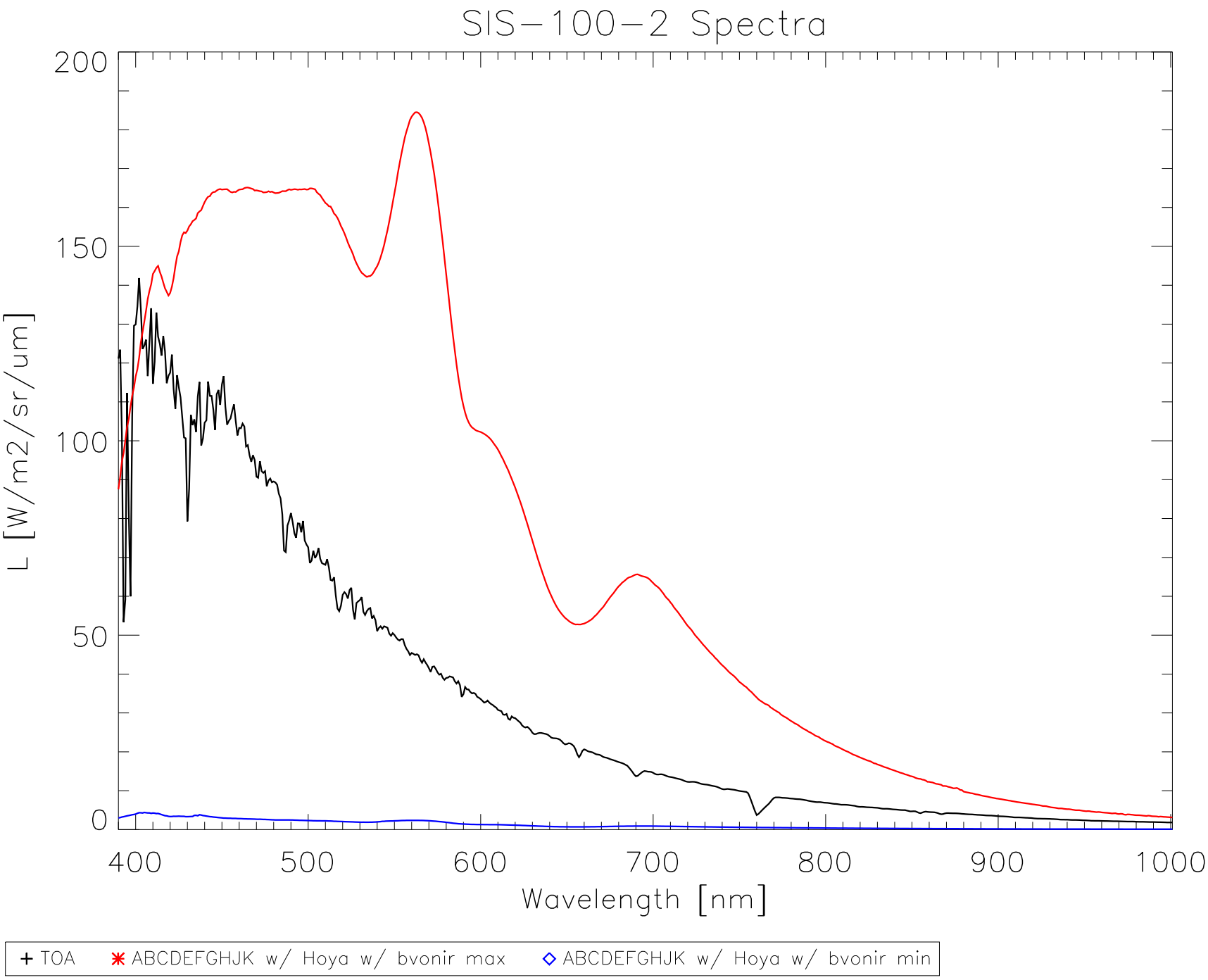

SIS-100-2 Spectra
L [W/m2/sr/um]
Wavelength [nm]
0
200
400
600
800
1000
1200
400
500
600
700
800
900
1000
+ ABCDEFG w/ Sonoma w/ bvonir max
BDF w/ bvonir max
TOA

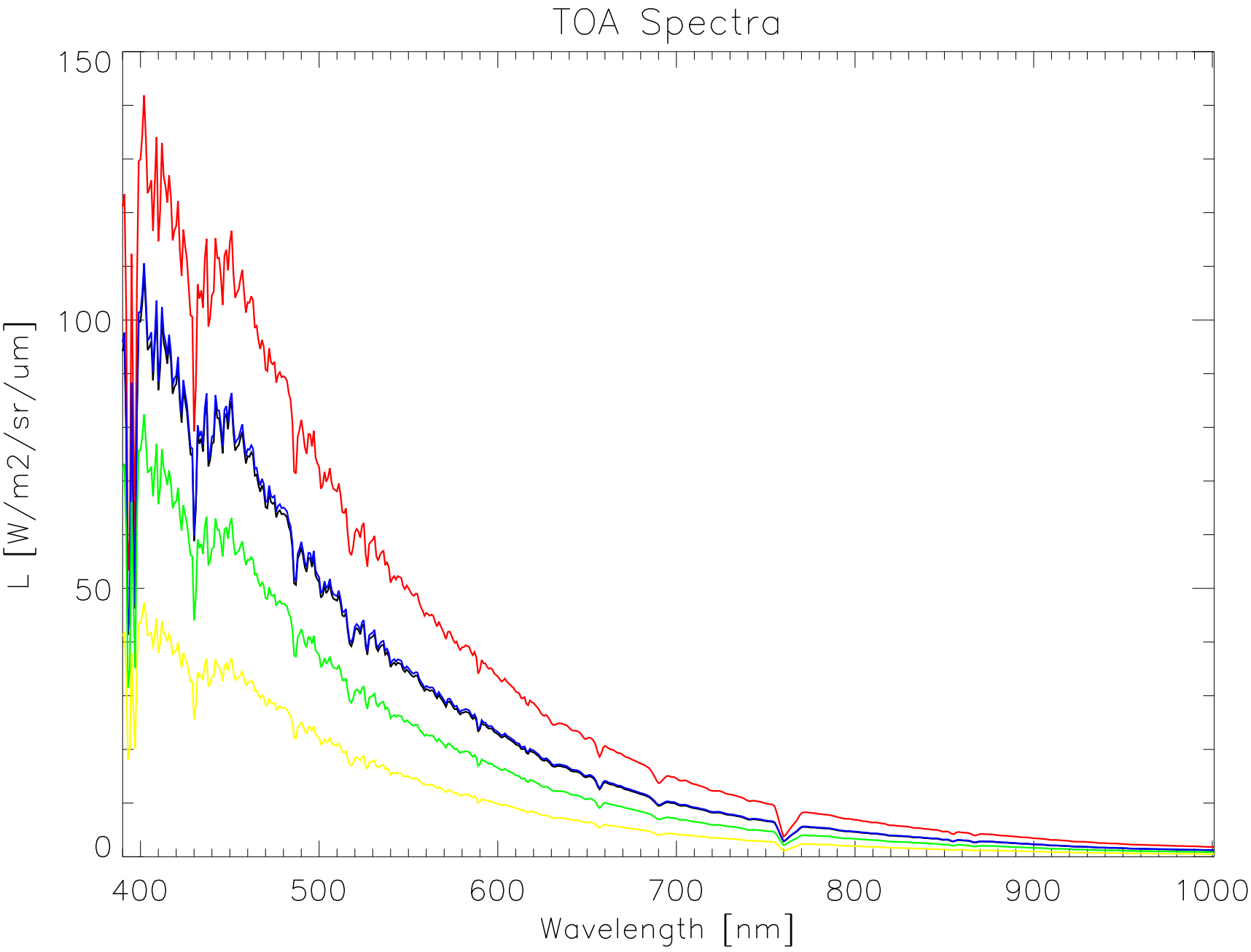

SIS-100-2 Spectra
L [W/m2/sr/um]
Wavelength [nm]
0
200
400
600
800
1000
1200
400
500
600
700
800
900
1000
+ ABCDEFG w/ Sonoma w/ bvonir max
BDF w/ bvonir max
ABCDEFGHJK w/ Hoya w/ bvonir max
TOA

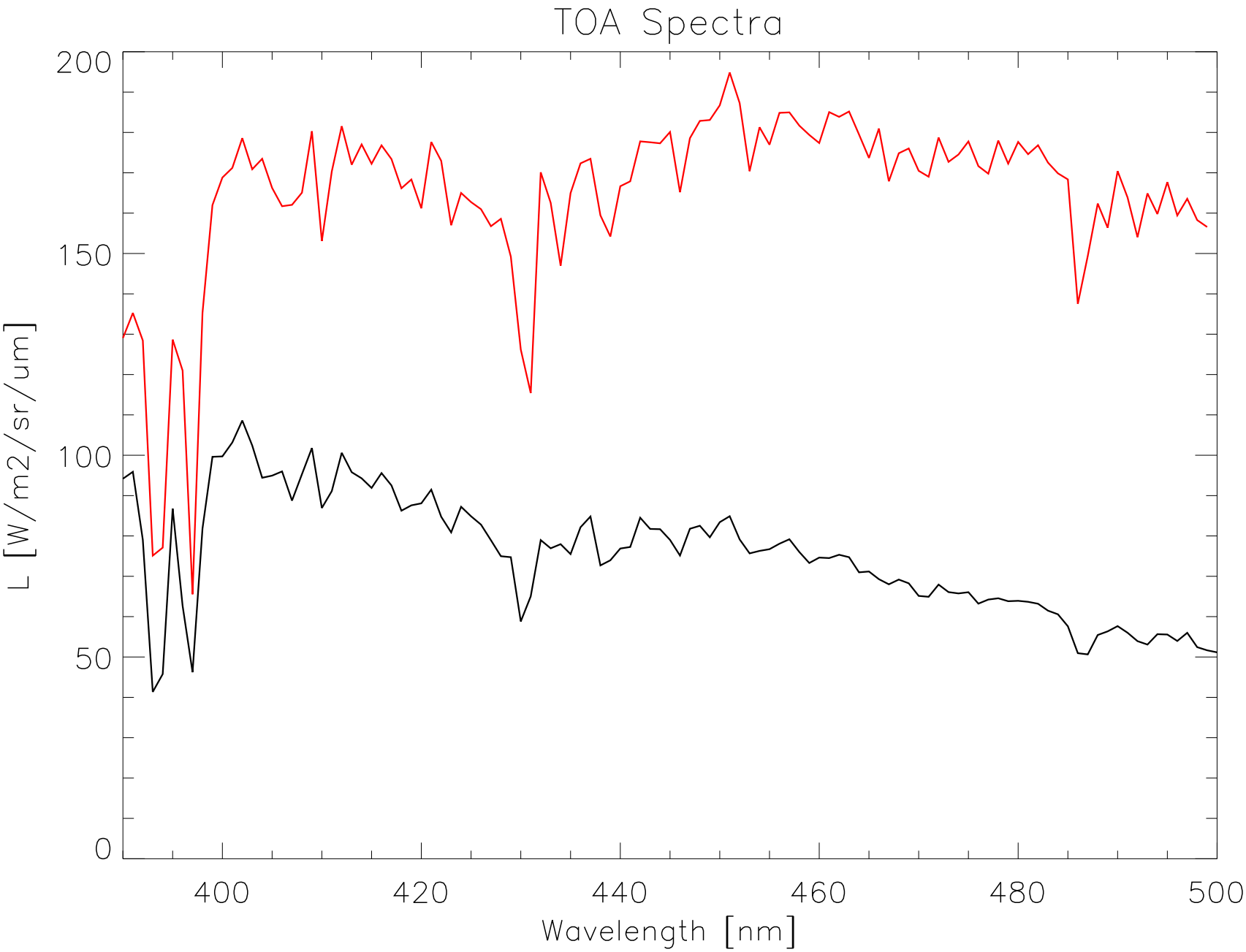

SIS-100-2 Spectra
L [W/m2/sr/um]
Wavelength [nm]
0
200
400
600
800
1000
1200
400
500
600
700
800
900
1000
+ SIS w/ BVONIR w/ Sonoma
SIS w/ BVONIR
SIS w/ BVONIR w/ Hoya
TOA

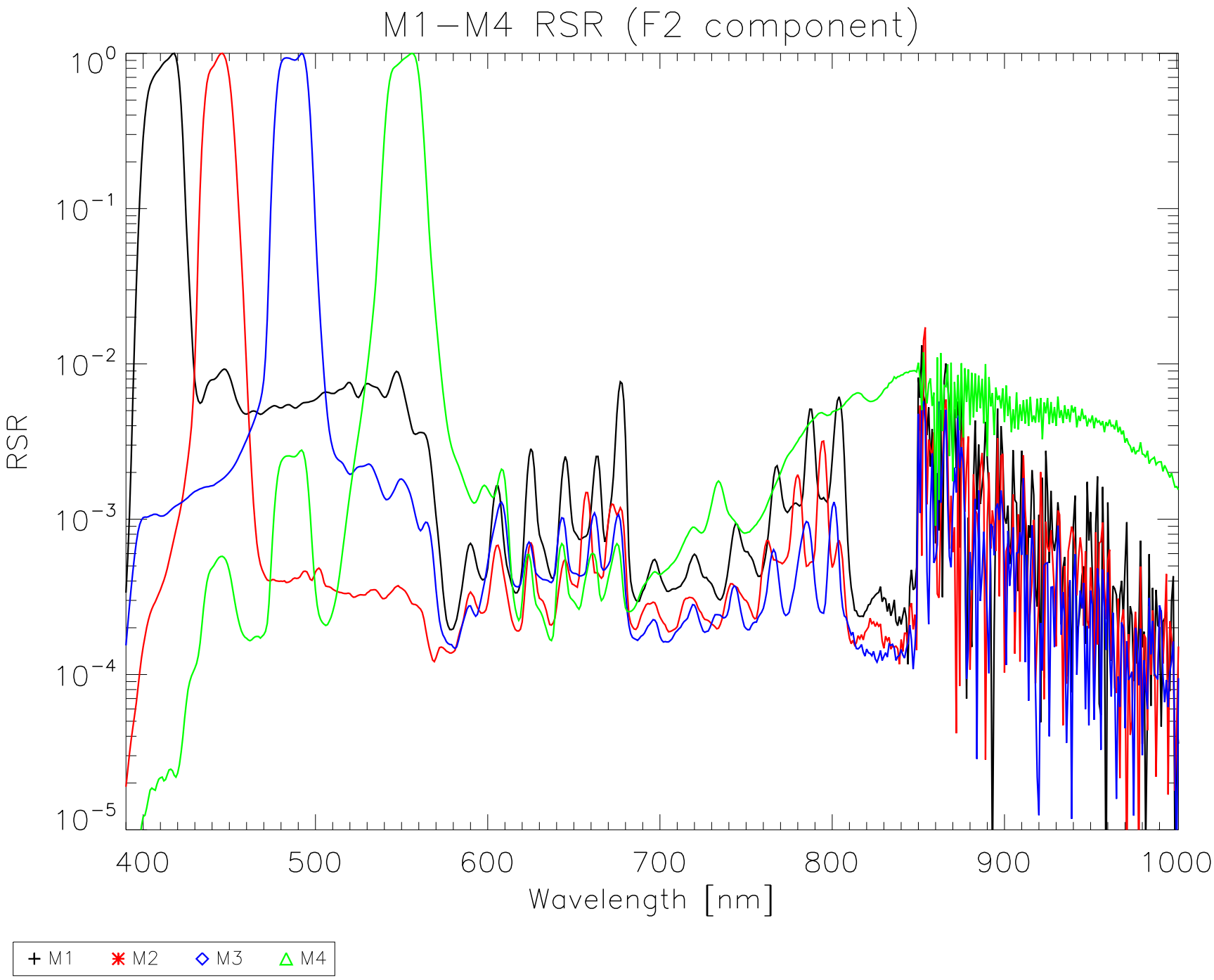

SIS-100-2 Spectra
1000
800
600
400
200
0
L [W/m2/sr/um]
400
500
600
700
800
900
1000
Wavelength [nm]
+ ABCDEFG w/ Sonoma w/ bvo777 max
* BDF w/ bvo777 max
◇ ABCDEFGHJK w/ Hoya w/ bvonir max

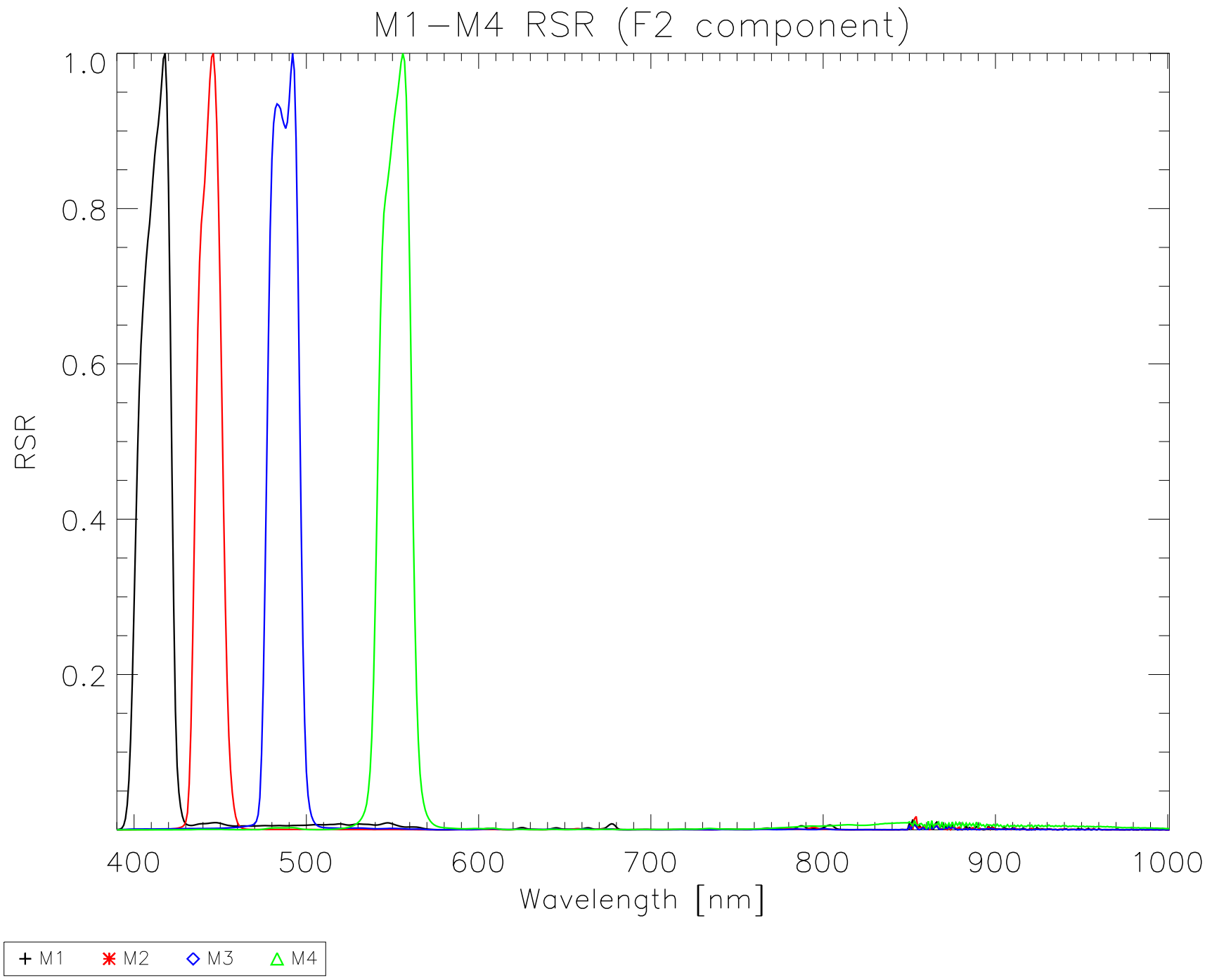

SIS-100-2 Spectra
250
200
150
100
50
0
L [W/m2/sr/um]
400
500
600
700
800
900
1000
Wavelength [nm]
+ TOA
* ABCDEFGHJK w/ Hoya

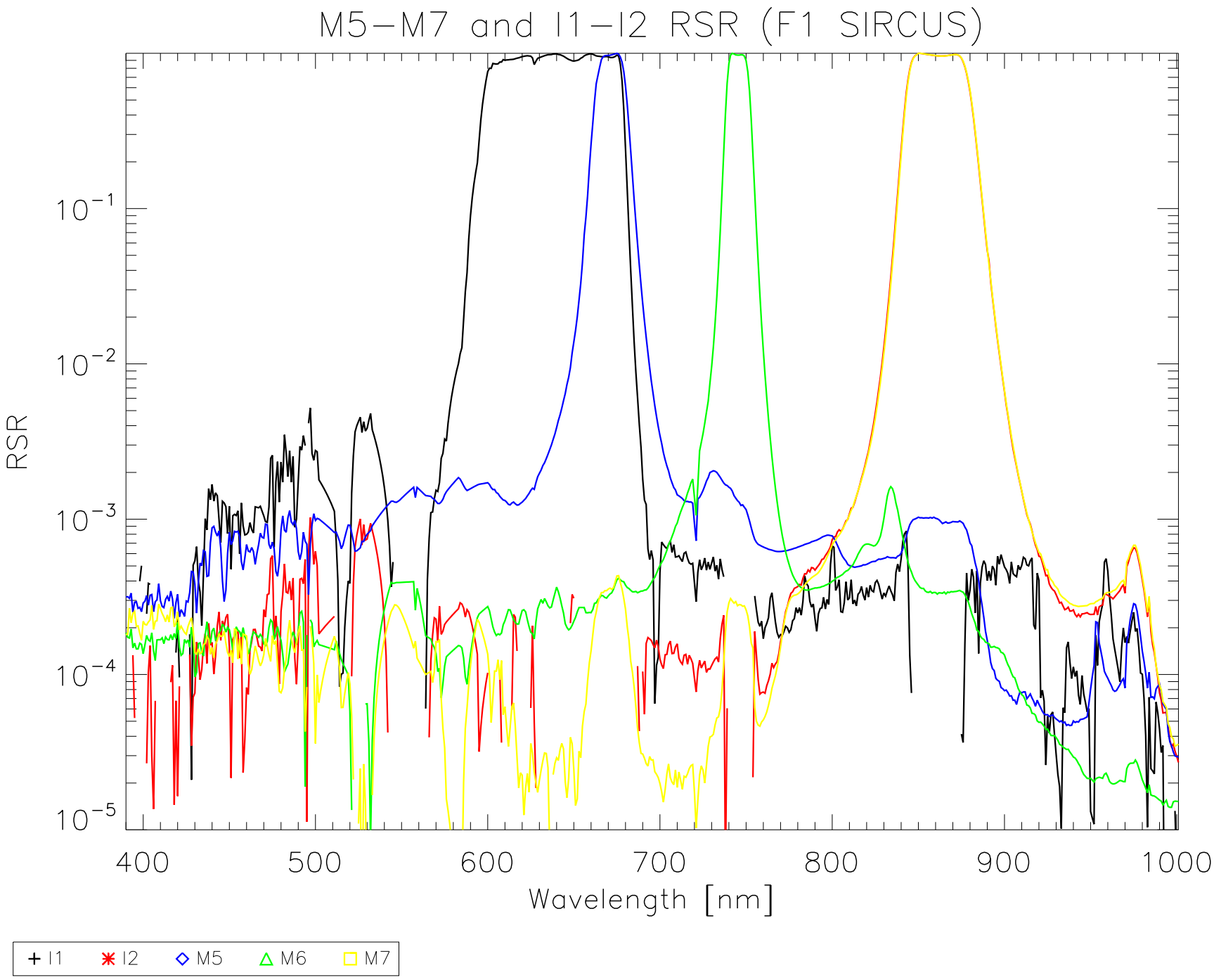

SIS-100-2 Spectra
200
150
100
50
0
L [W/m2/sr/um]
400
500
600
700
800
900
1000
Wavelength [nm]
TOA
ABCDEFGHJK w/ Hoya w/ bvonir max
ABCDEFGHJK w/ Hoya w/ bvonir min

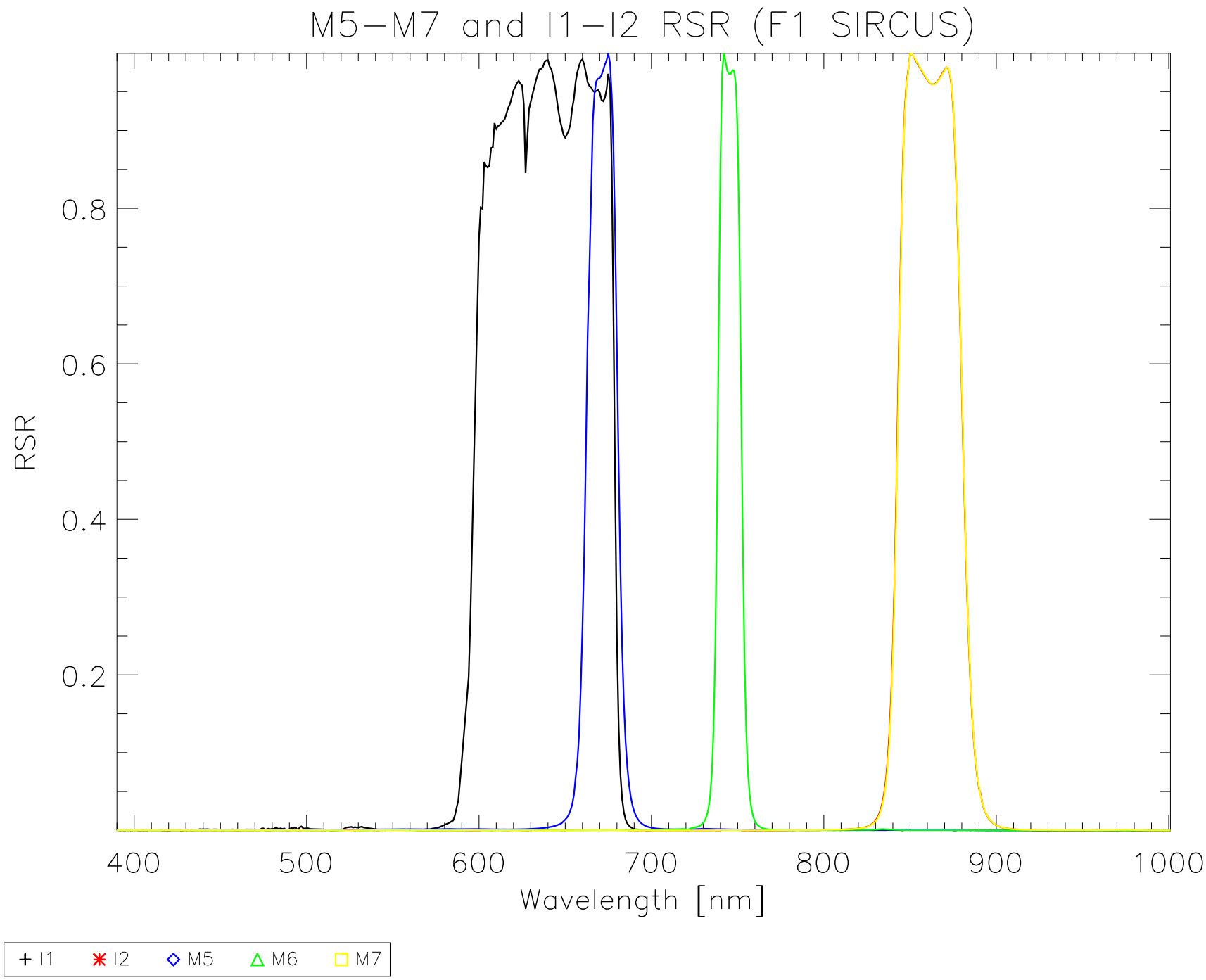

TOA Spectra
150
100
50
0
L [W/m2/sr/um]
400
500
600
700
800
900
1000
Wavelength [nm]

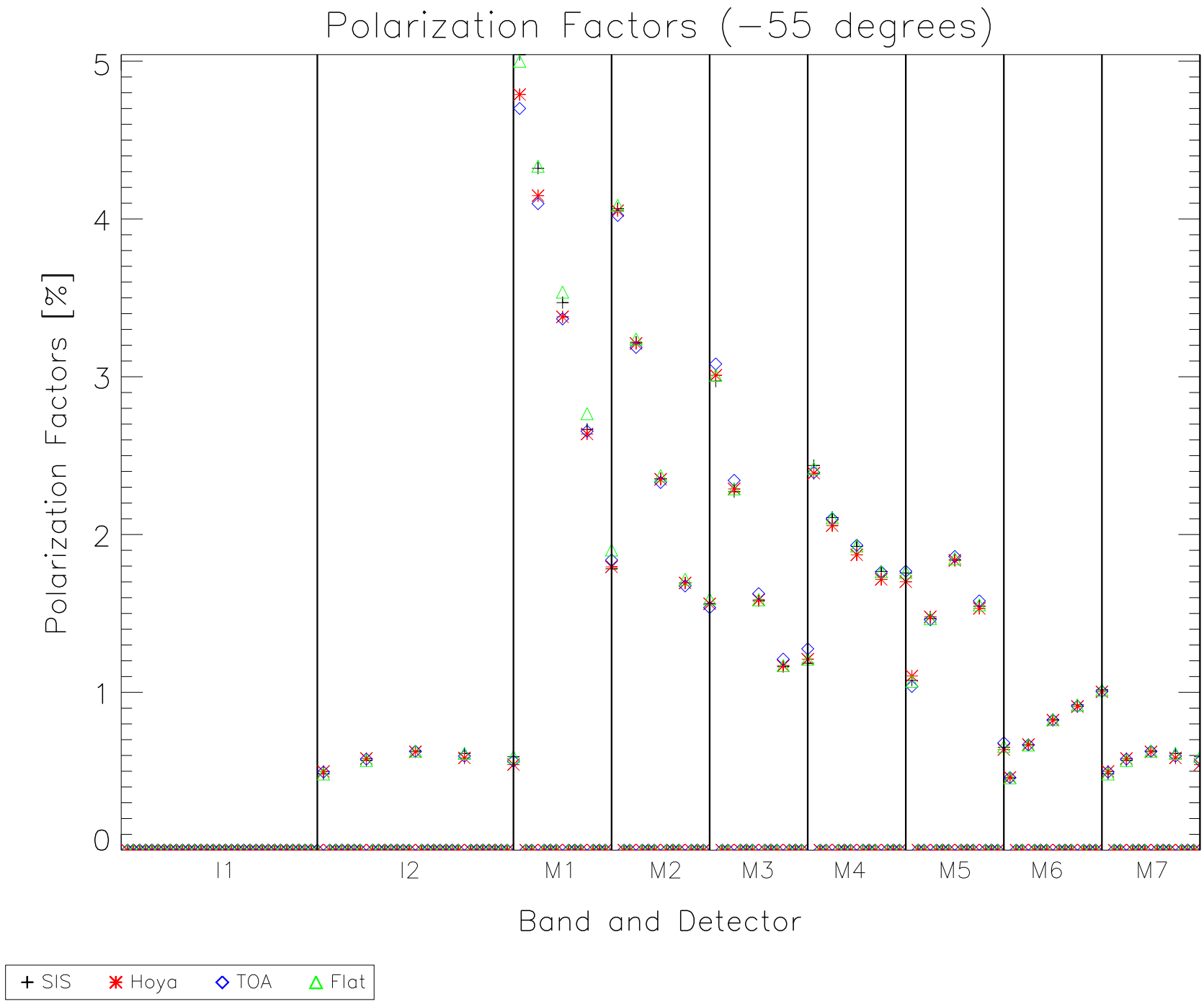

TOA Spectra
200
150
100
50
0
L [W/m2/sr/um]
400
420
440
460
480
500
Wavelength [nm]

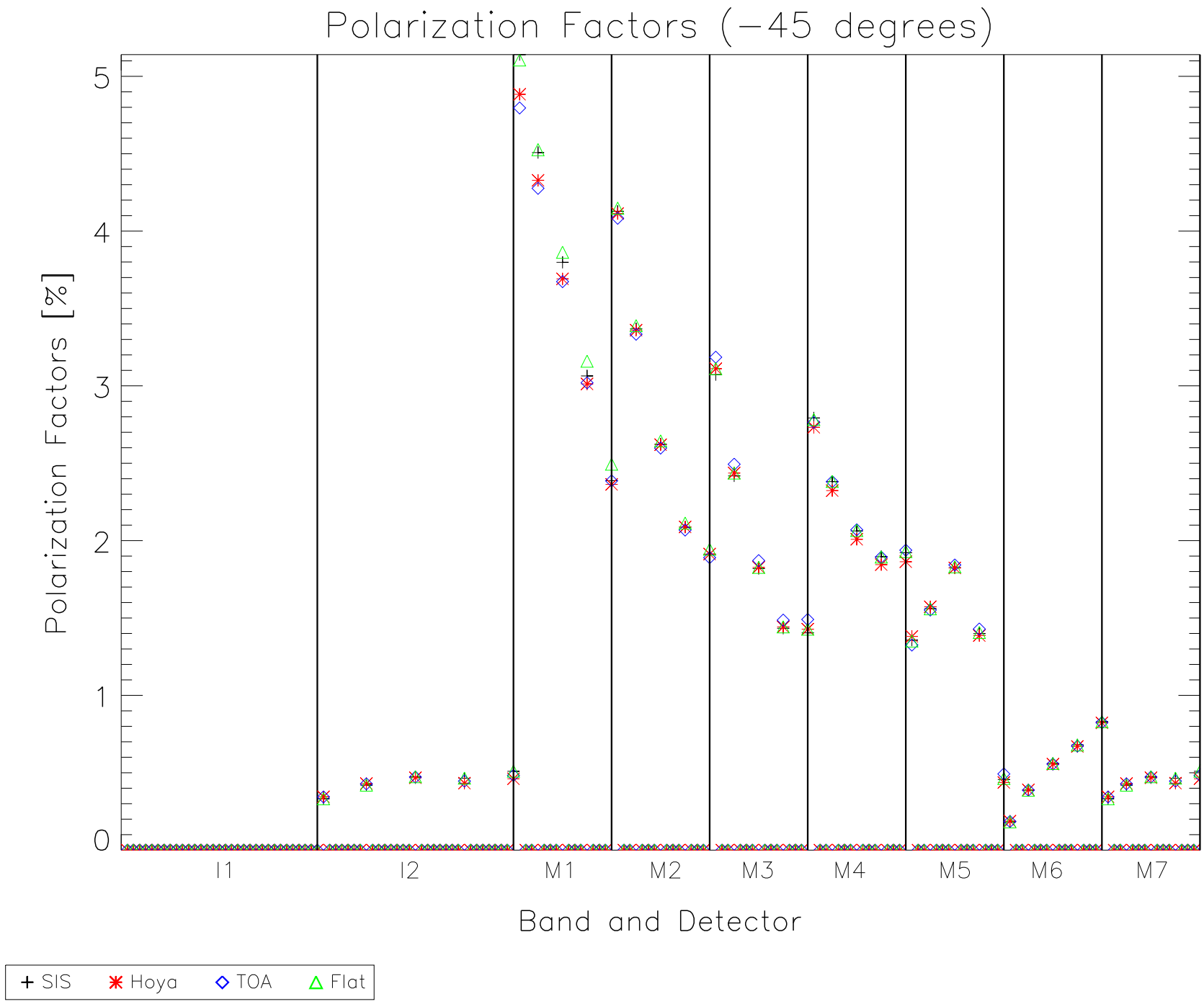

M1–M4 RSR (F2 component)
RSR
10^{0}
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
400
500
600
700
800
900
1000
Wavelength [nm]
M1
M2
M3
M4

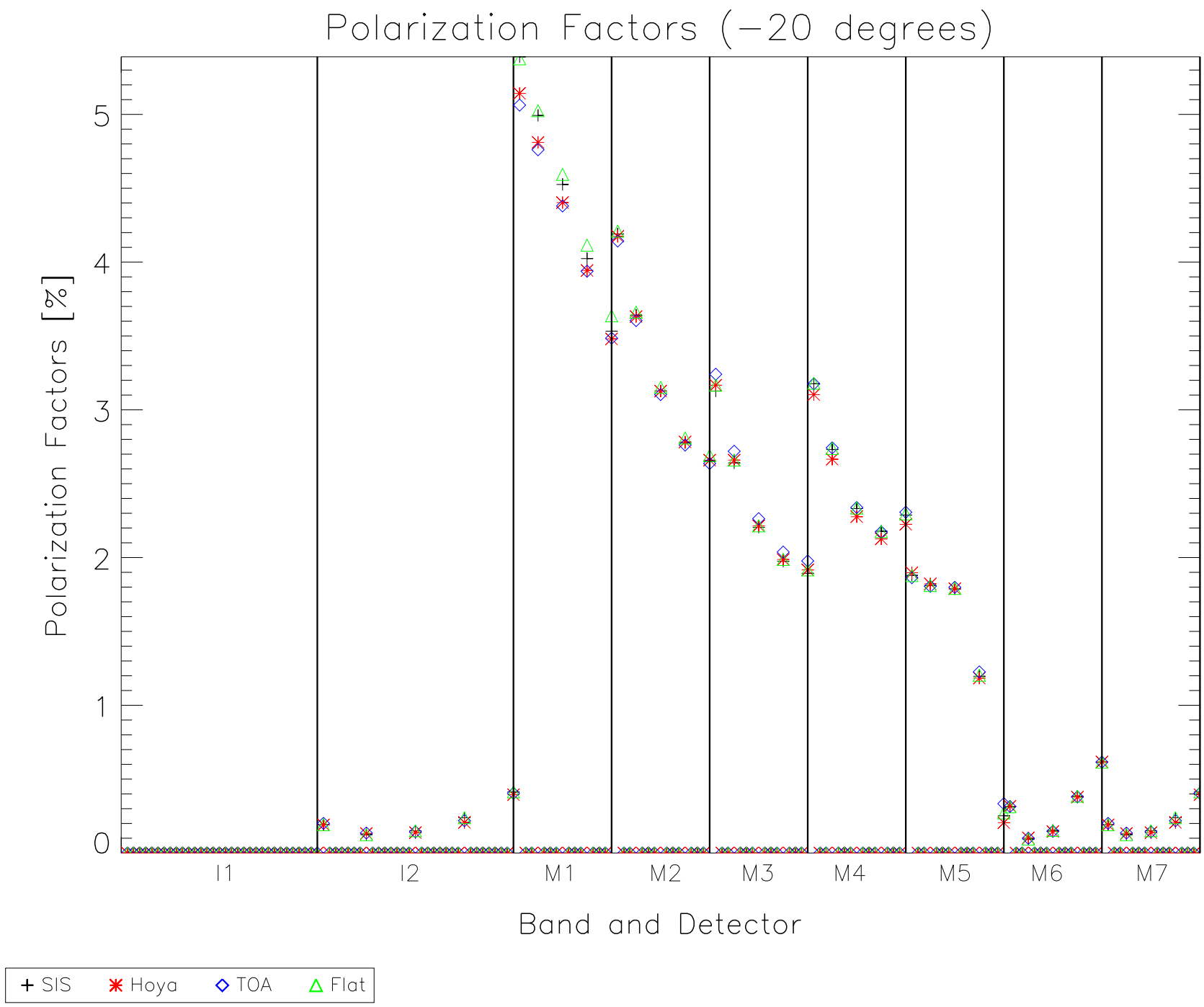

M1–M4 RSR (F2 component)
RSR
1.0
0.8
0.6
0.4
0.2
400
500
600
700
800
900
1000
Wavelength [nm]
M1
M2
M3
M4

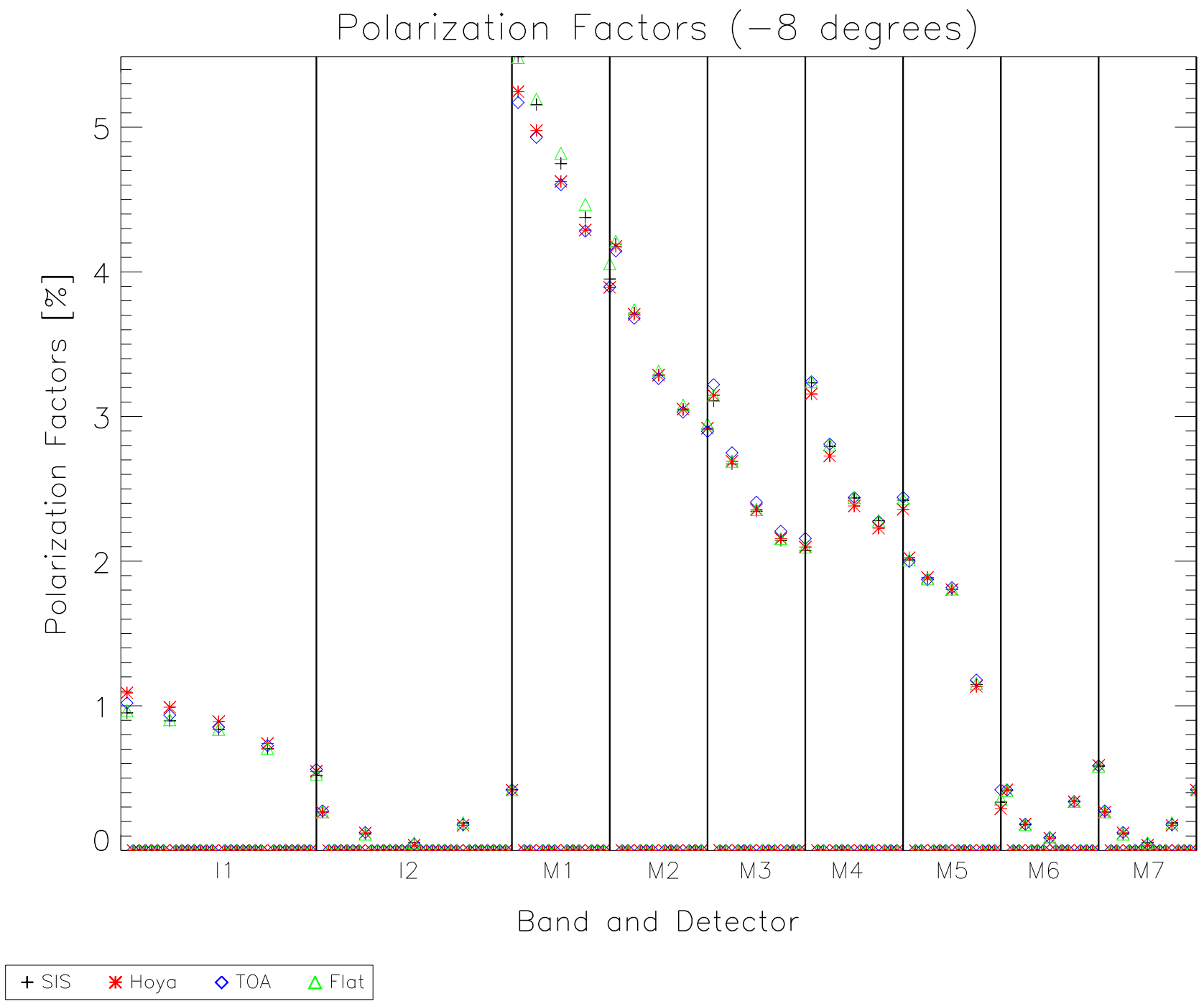

M5−M7 and I1−I2 RSR (F1 SIRCUS)
RSR
10^{-1}
10^{-2}
10^{-3}
10^{-4}
10^{-5}
400
500
600
700
800
900
1000
Wavelength [nm]
I1
I2
M5
M6
M7

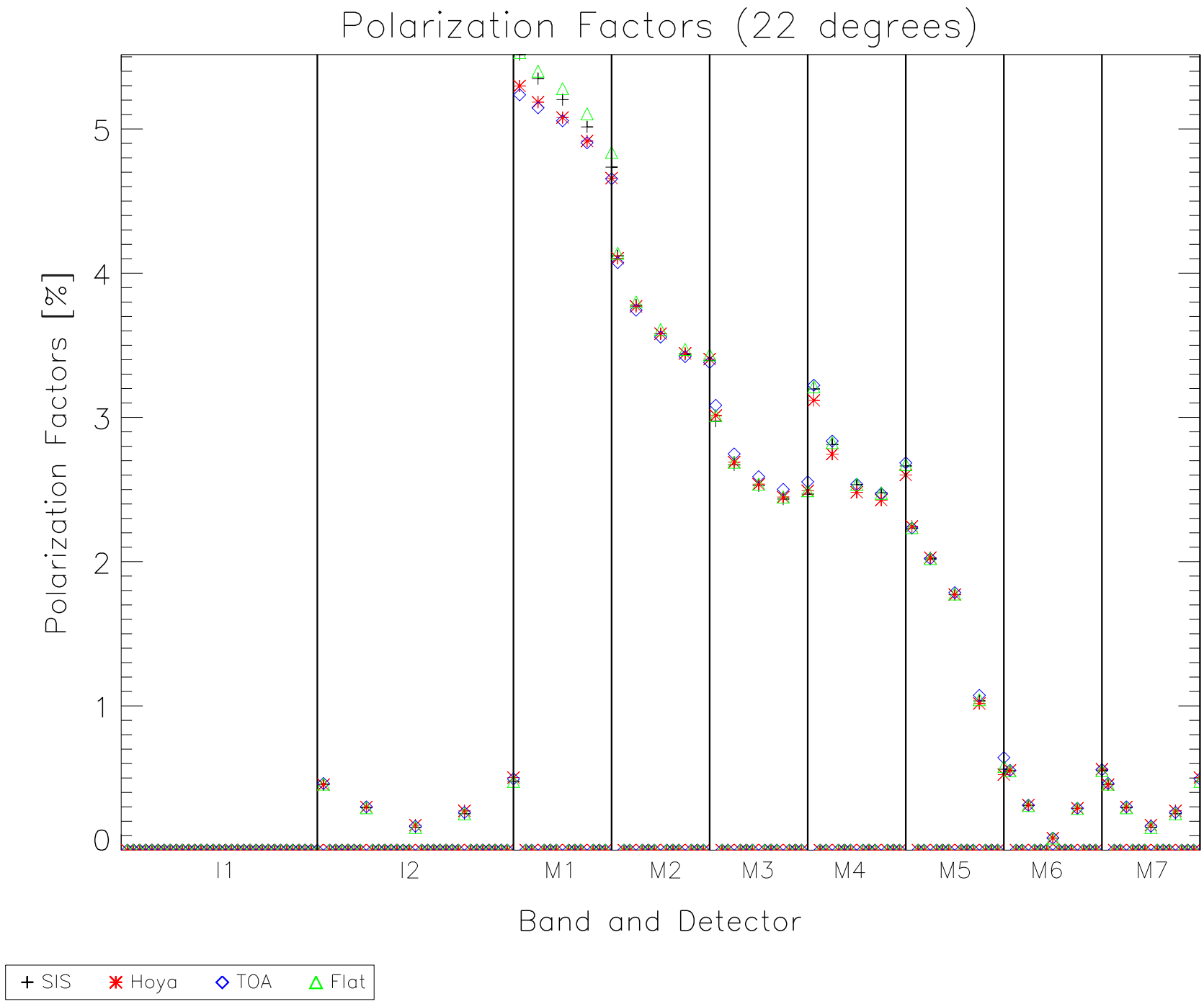

M5−M7 and I1−I2 RSR (F1 SIRCUS)
RSR
0.2
0.4
0.6
0.8
400
500
600
700
800
900
1000
Wavelength [nm]
I1
I2
M5
M6
M7

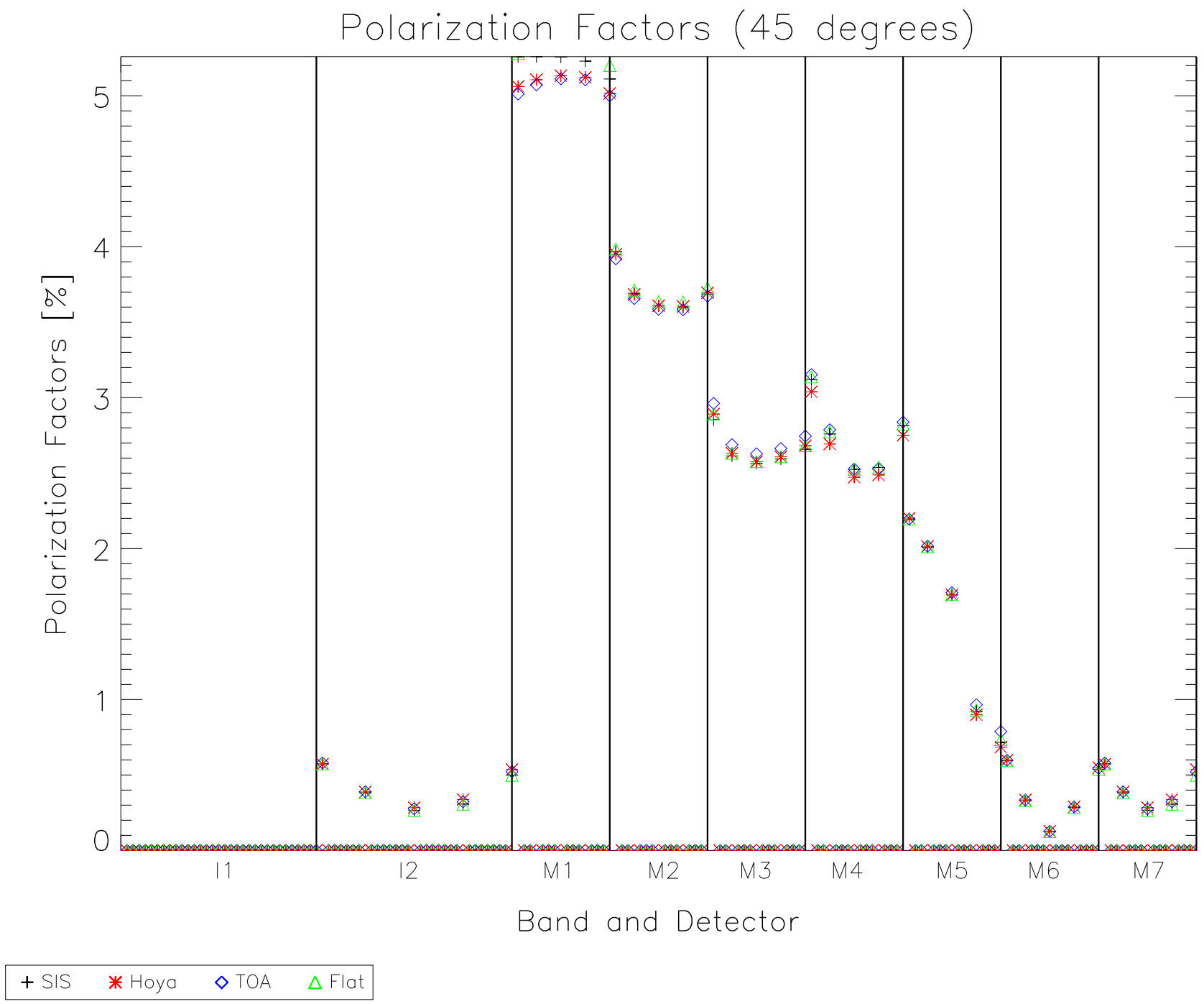

Polarization Factors (−55 degrees)
Polarization Factors [%]
0
1
2
3
4
5
I1
I2
M1
M2
M3
M4
M5
M6
M7
Band and Detector
SIS
Hoya
TOA
Flat

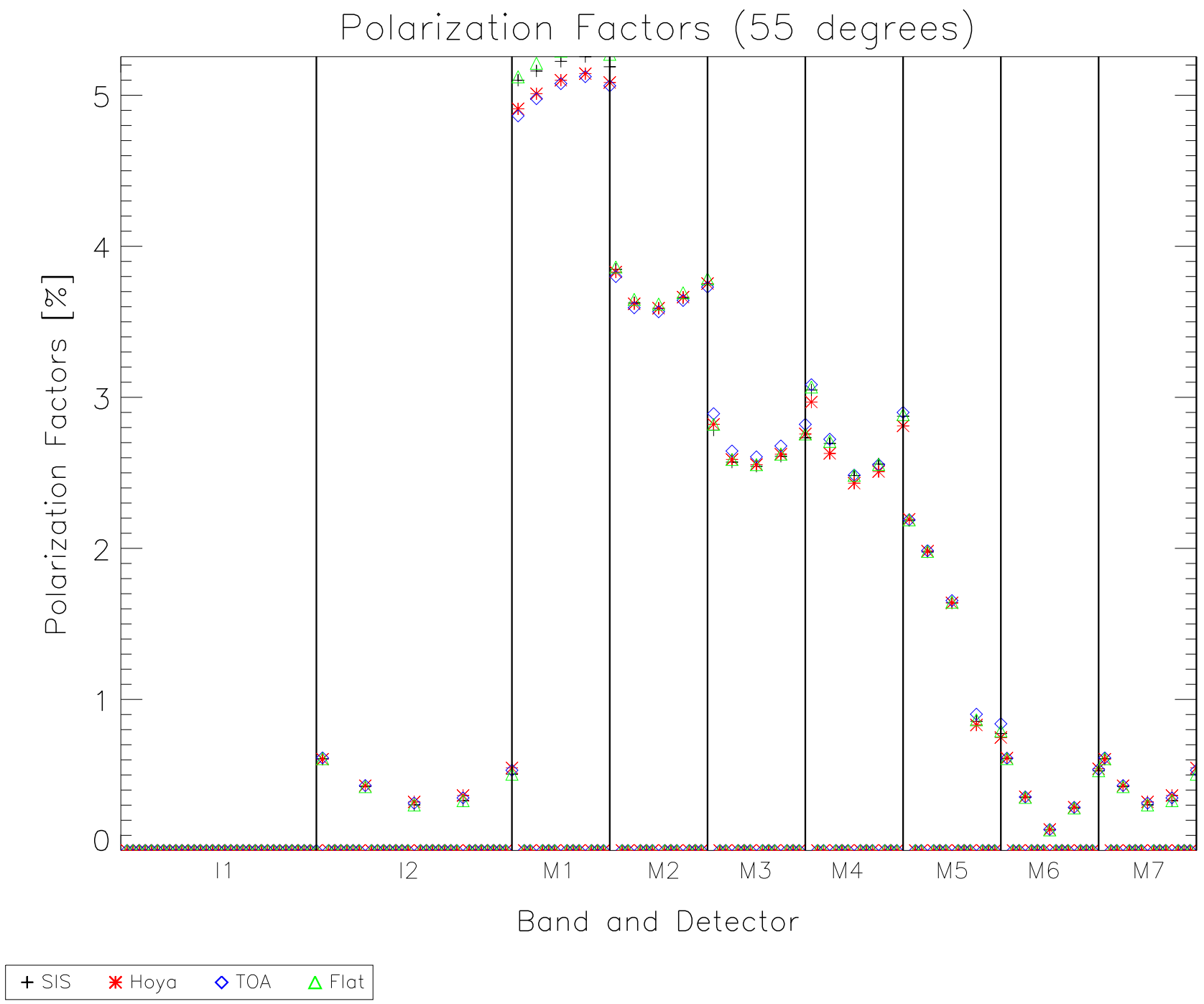

Polarization Factors (−45 degrees)
Polarization Factors [%]
0
1
2
3
4
5
I1
I2
M1
M2
M3
M4
M5
M6
M7
Band and Detector
SIS
Hoya
TOA
Flat

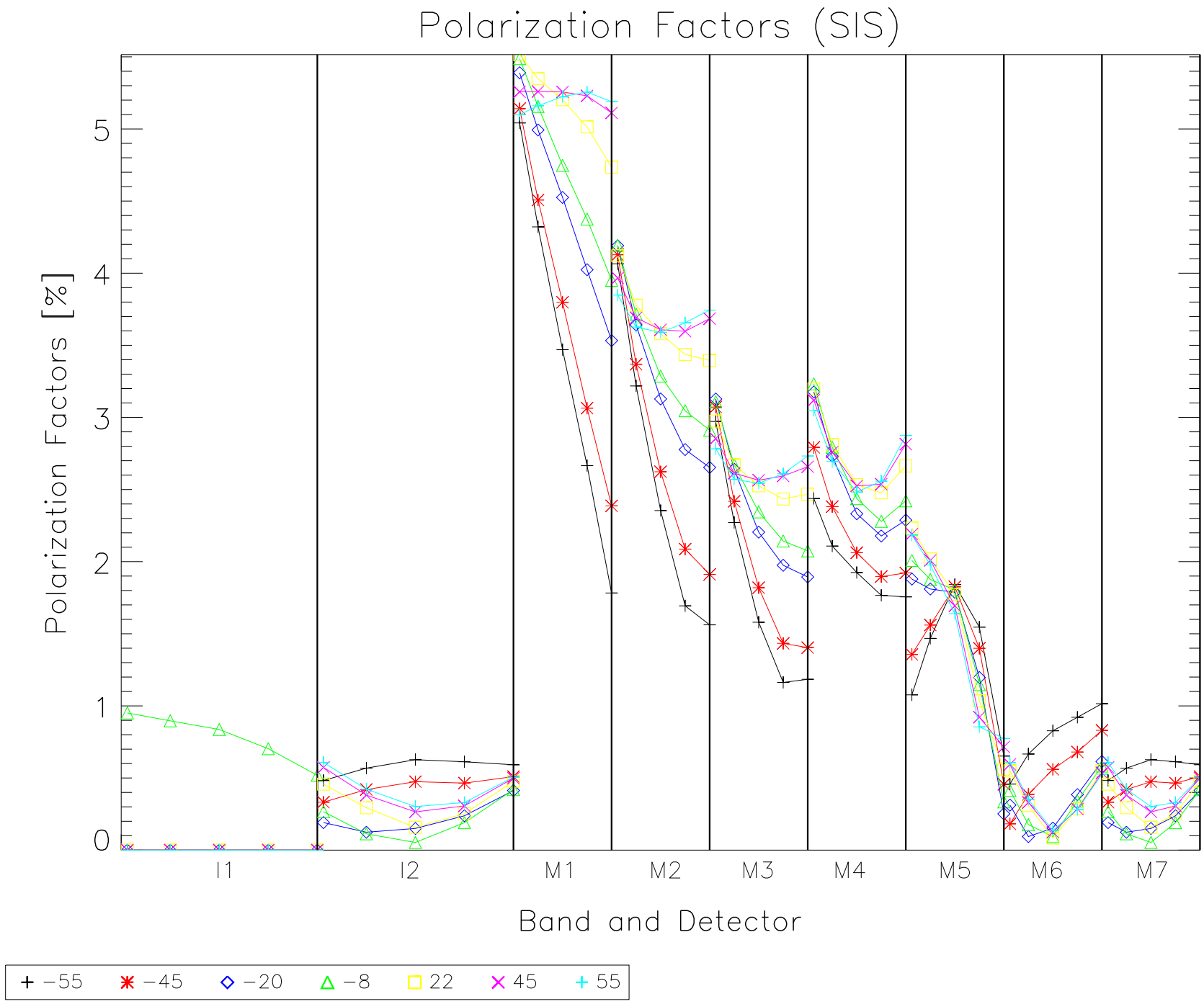

Polarization Factors (−20 degrees)
Polarization Factors [%]
0
1
2
3
4
5
I1
I2
M1
M2
M3
M4
M5
M6
M7
Band and Detector
SIS
Hoya
TOA
Flat


Polarization Factors (−8 degrees)
Polarization Factors [%]
0
1
2
3
4
5
I1
I2
M1
M2
M3
M4
M5
M6
M7
Band and Detector
SIS
Hoya
TOA
Flat

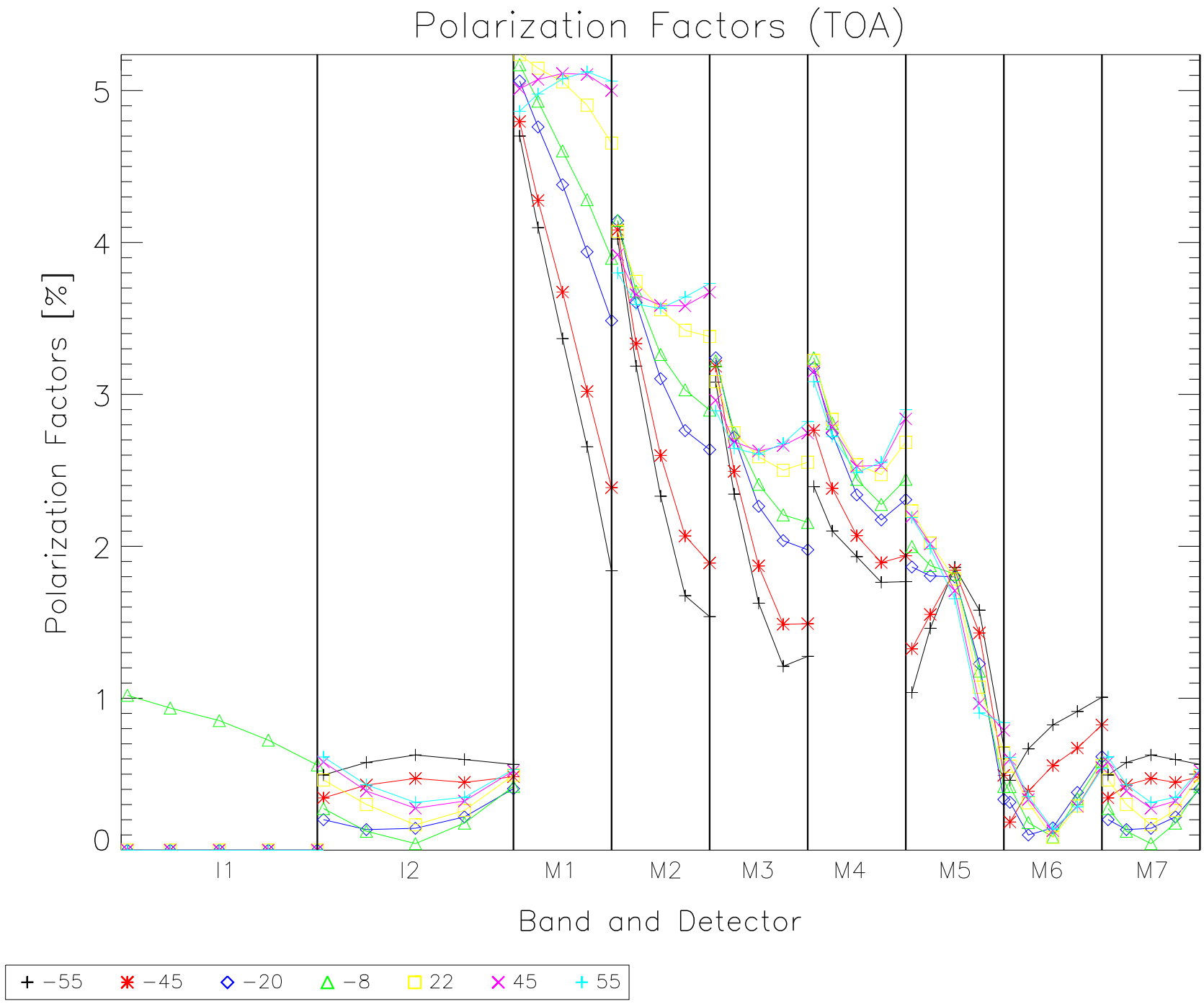

Polarization Factors (22 degrees)
Polarization Factors [%]
0
1
2
3
4
5
I1
I2
M1
M2
M3
M4
M5
M6
M7
Band and Detector
SIS
Hoya
TOA
Flat

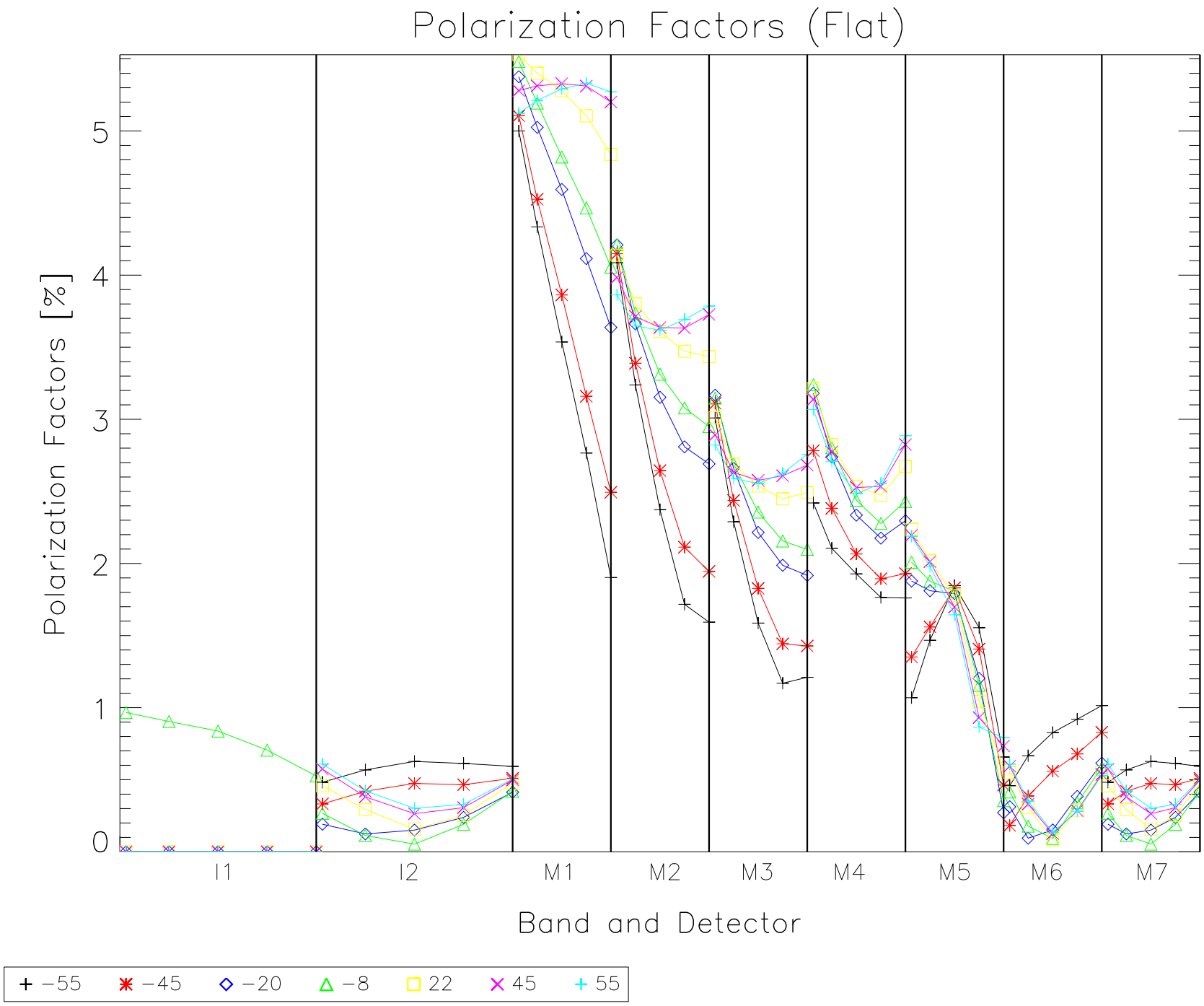

Polarization Factors (45 degrees)
Polarization Factors [%]
0
1
2
3
4
5
I1
I2
M1
M2
M3
M4
M5
M6
M7
Band and Detector
SIS
Hoya
TOA
Flat


Polarization Factors (55 degrees)
Polarization Factors [%]
0
1
2
3
4
5
I1
I2
M1
M2
M3
M4
M5
M6
M7
Band and Detector
SIS
Hoya
TOA
Flat

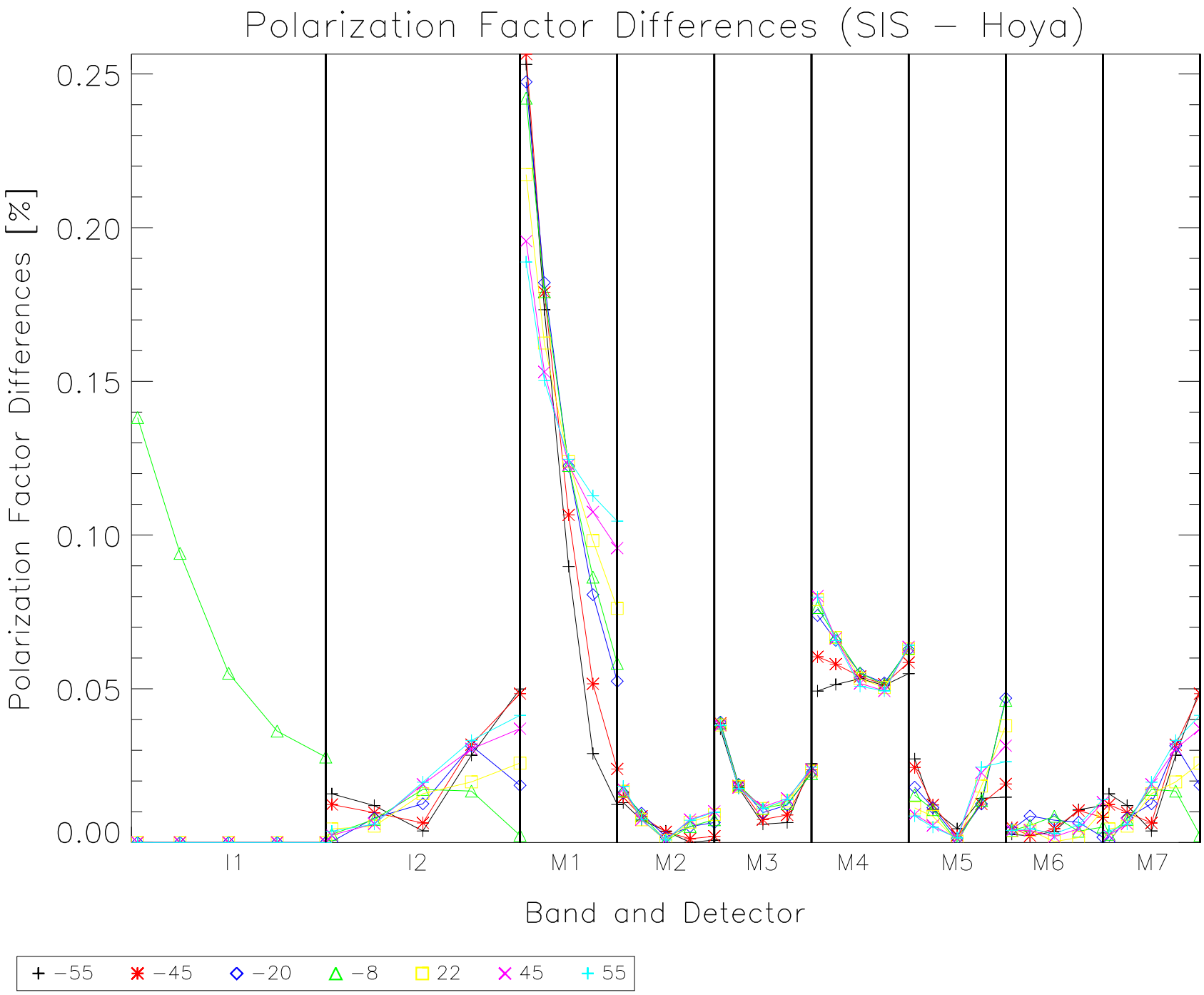

Polarization Factors (SIS)
Polarization Factors [%]
0
1
2
3
4
5
I1
I2
M1
M2
M3
M4
M5
M6
M7
Band and Detector
−55
−45
−20
−8
22
45
55

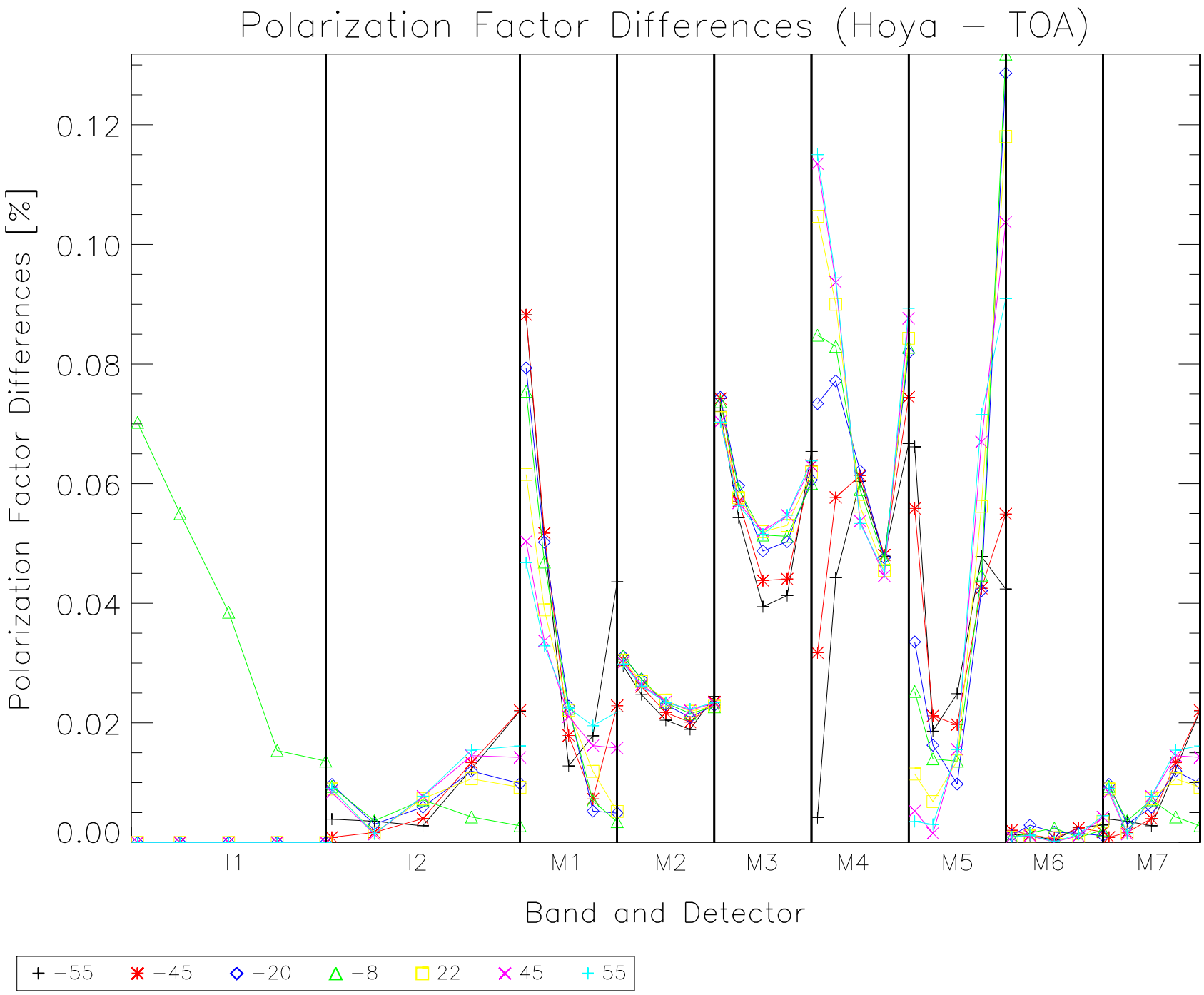
Polarization Factors (Hoya)
Band and Detector
Polarization Factors [%]
0
1
2
3
4
5
I1
I2
M1
M2
M3
M4
M5
M6
M7
−55
−45
−20
−8
22
45
55


Polarization Factors (TOA)
Polarization Factors [%]
0
1
2
3
4
5
I1
I2
M1
M2
M3
M4
M5
M6
M7
Band and Detector
−55
−45
−20
−8
22
45
55


Polarization Factors (Flat)
Polarization Factors [%]
0
1
2
3
4
5
I1
I2
M1
M2
M3
M4
M5
M6
M7
Band and Detector
−55
−45
−20
−8
22
45
55

Polarization Factor Differences (SIS − TOA)
Band and Detector
Polarization Factor Differences [%]
0.00
0.05
0.10
0.15
0.20
0.25
0.30
I1
I2
M1
M2
M3
M4
M5
M6
M7
−55
−45
−20
−8
22
45
55


Polarization Factor Differences (SIS − Hoya)
Polarization Factor Differences [%]
0.25
0.20
0.15
0.10
0.05
0.00
I1
I2
M1
M2
M3
M4
M5
M6
M7
Band and Detector
−55
−45
−20
−8
22
45
55


Polarization Factor Differences (Hoya – TOA)
Polarization Factor Differences [%]
0.00
0.02
0.04
0.06
0.08
0.10
0.12
I1
I2
M1
M2
M3
M4
M5
M6
M7
Band and Detector
−55
−45
−20
−8
22
45
55

Polarization Factor Differences (SIS − Flat)
Band and Detector
Polarization Factor Differences [%]
0.00
0.02
0.04
0.06
0.08
0.10
I1
I2
M1
M2
M3
M4
M5
M6
M7
−55
−45
−20
−8
22
45
55

Polarization Factor Differences [Model − Measurement]
Polarization Factor Differences [%]
Band and Detector
2.0
1.5
1.0
0.5
0.0
I1
I2
M1
M2
M3
M4
M5
M6
M7
−55
−45
−20
−8
22
45
55