Source flux vs freq from various catalogs

◇ 3C144   cat:Perley
+ 3C405   cat:Baars
* 3C461   cat:Wmap
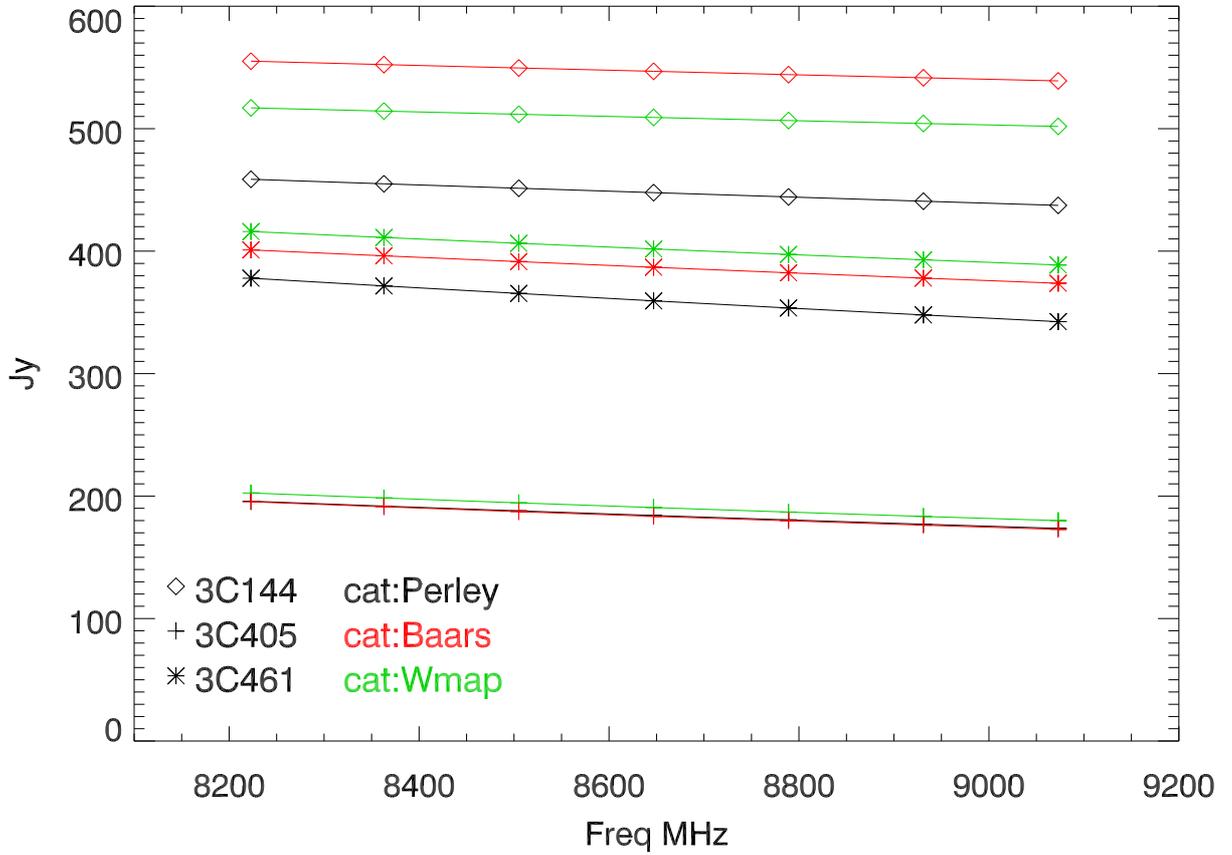
(Wmax,BaarsFlux)/ (Perley Flux)

Baars/Perley Flux
Wmap/Perley Flux
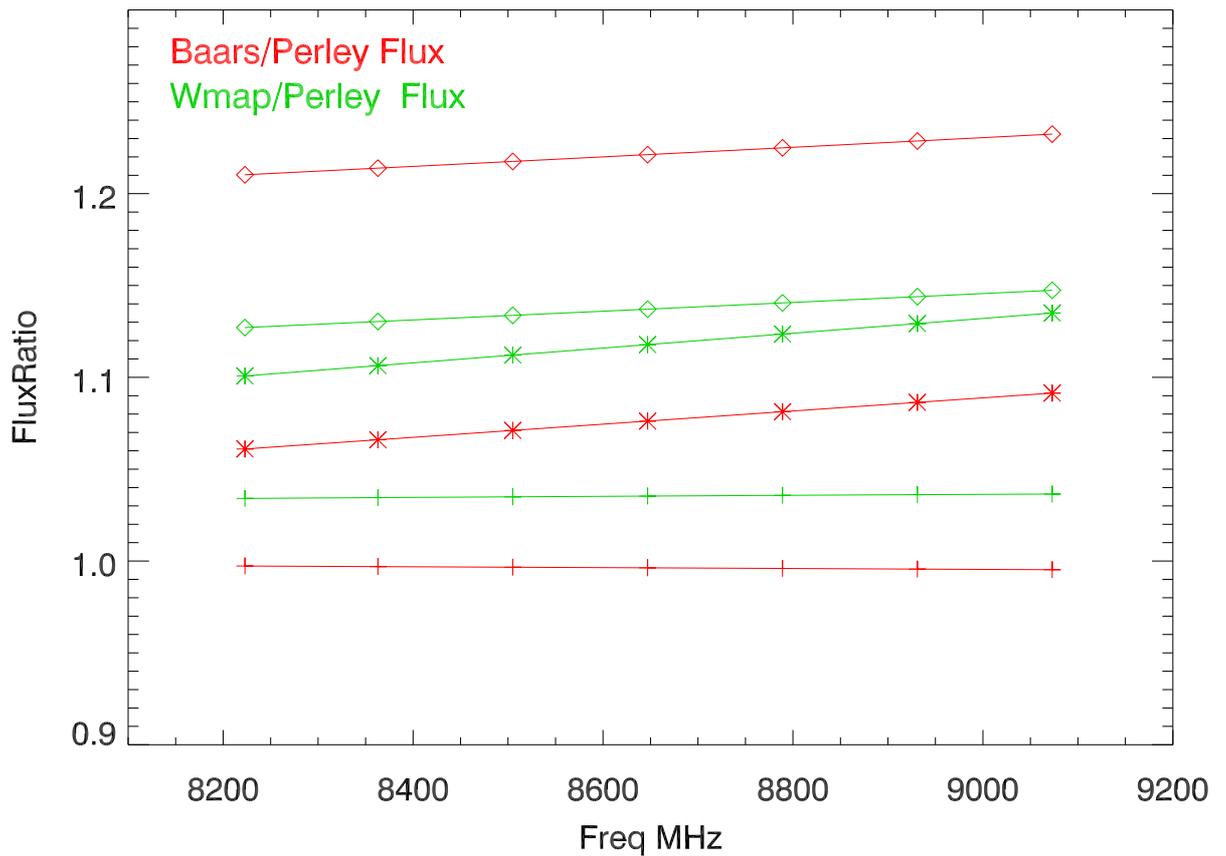
Measured gain vs freq for 3 sets of fluxes. 8505 MHz band
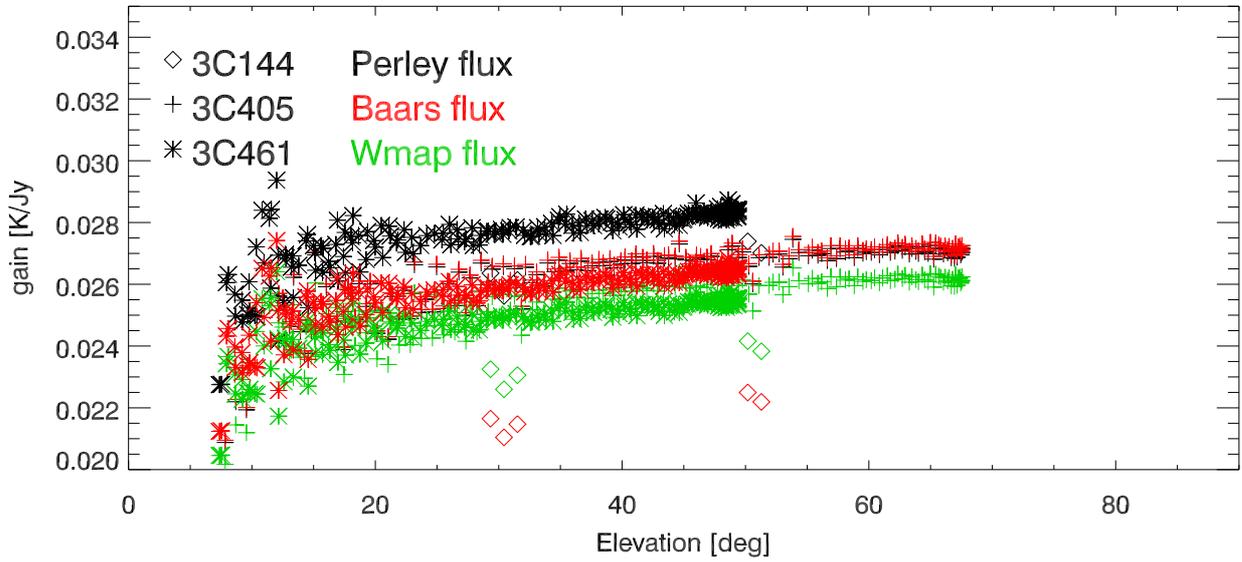
compare Perley and Baars flux vs El
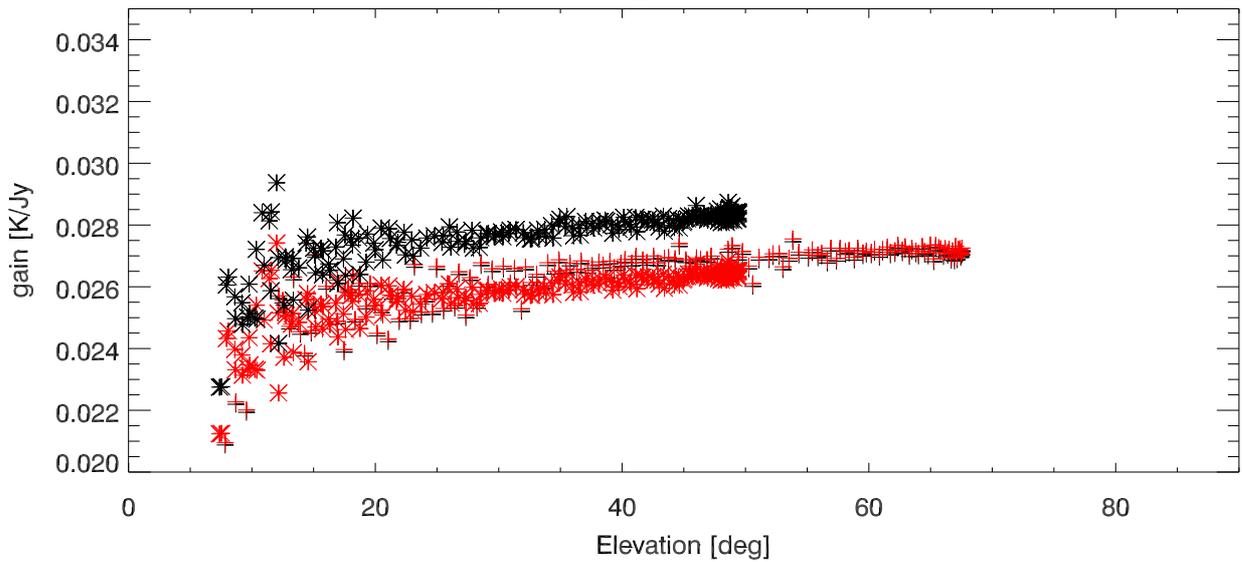
compare Perley and Baars flux vs Az

jun22 crosses, gainfits to elevation. 8223 MHz freqBand

excluded pnts
fit1: gain=a0 +a1*el
fit2: gain=a0 +a1*sin(el)
fit3: gain=a0 +a1*el^2

8363 MHz freqBand
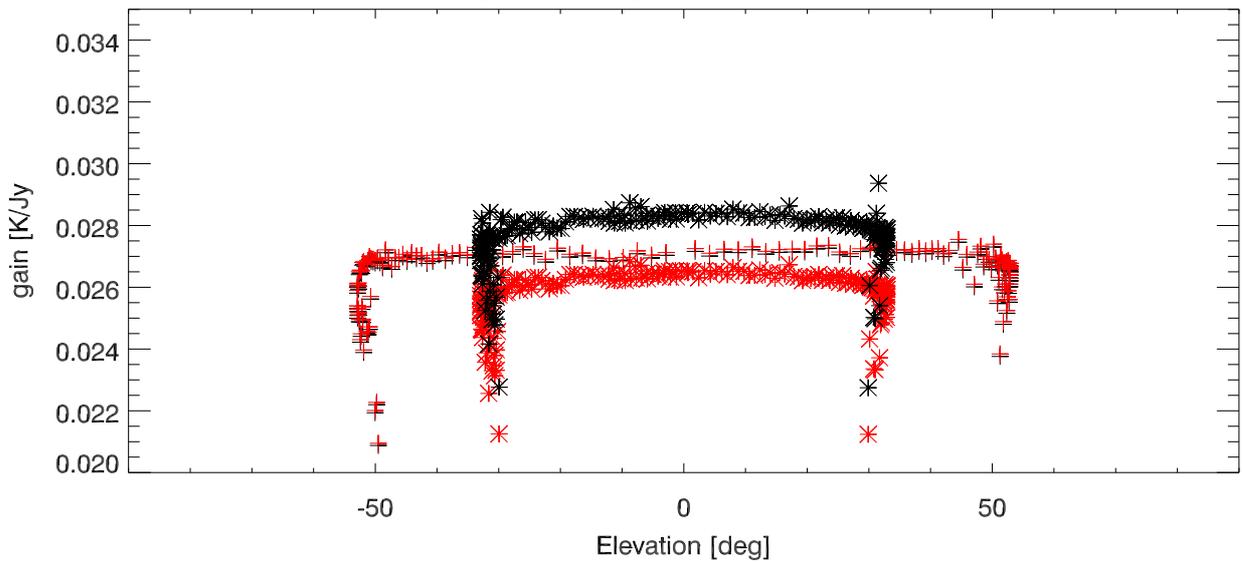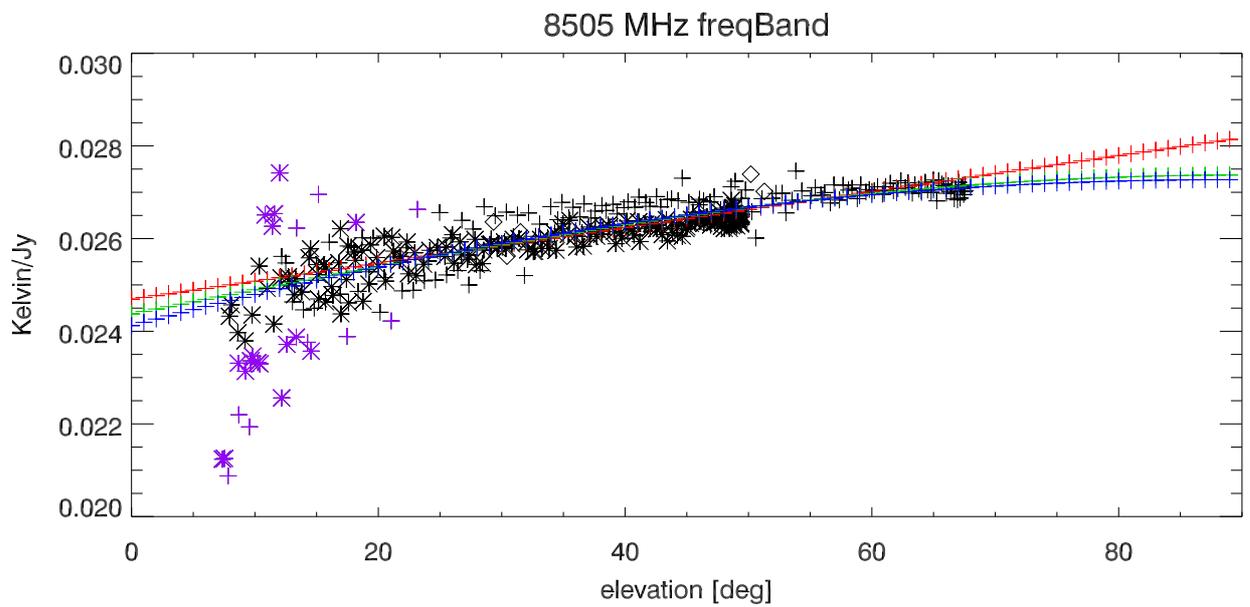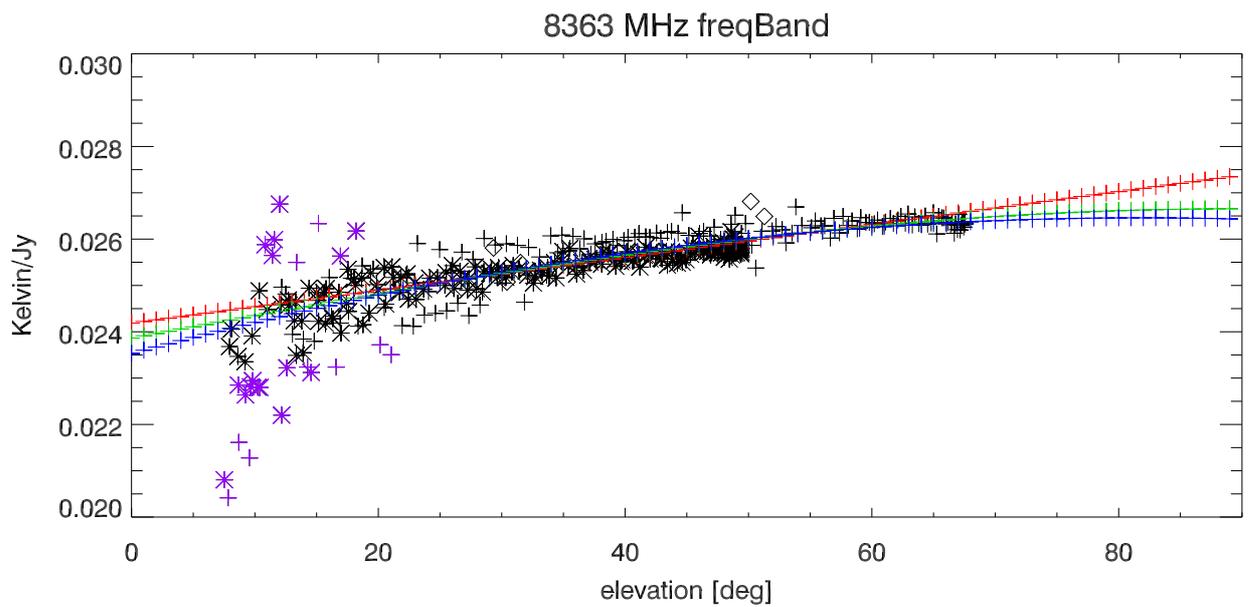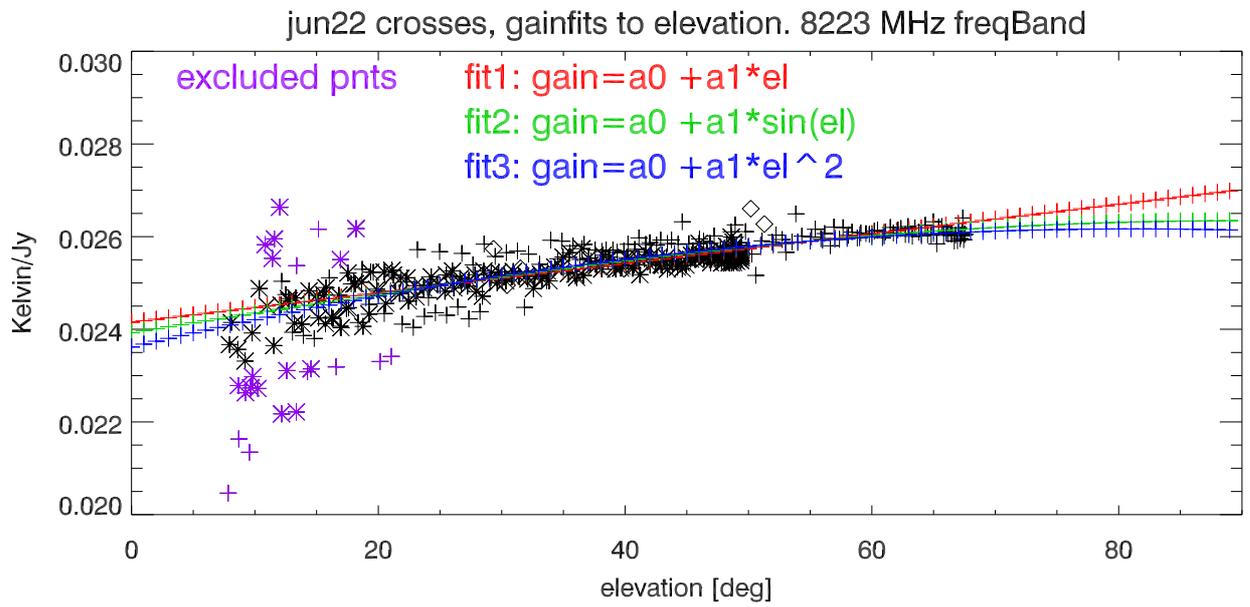
8505 MHz freqBand

jun22 crosses, gainfits to elevation. 8647 MHz freqBand

excluded pnts
fit1: gain=a0 +a1*el
fit2: gain=a0 +a1*sin(el)
fit3: gain=a0 +a1*el^2

Kelvin/Jy

elevation [deg]

8789 MHz freqBand

Kelvin/Jy

elevation [deg]

8931 MHz freqBand

Kelvin/Jy
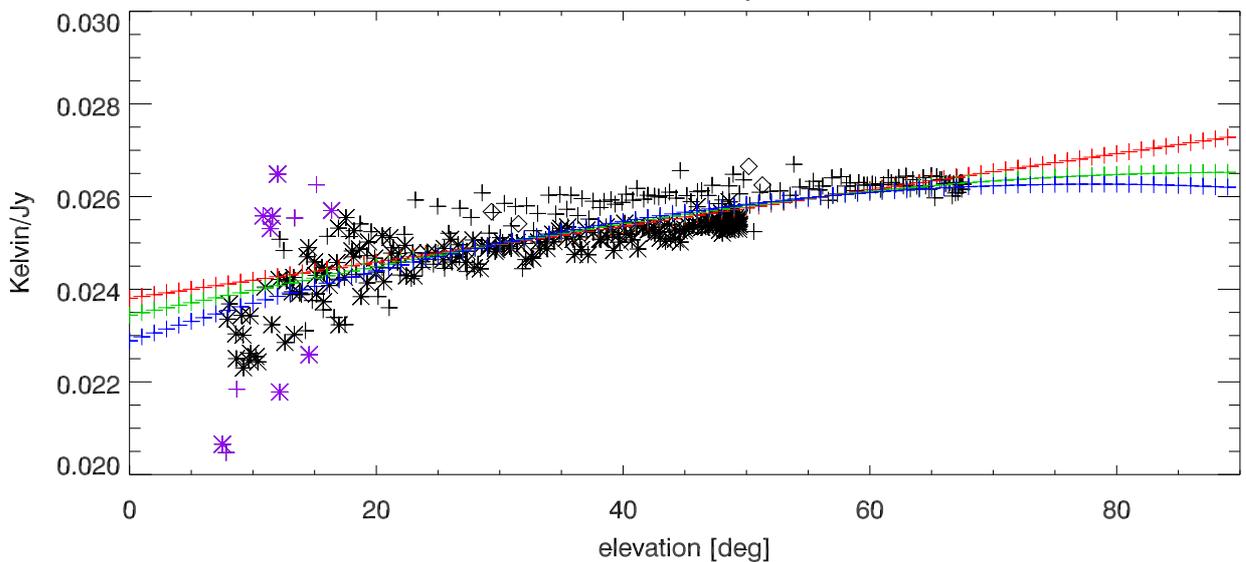
elevation [deg]

jun22 crosses, gainfits to elevation. 9073 MHz freqBand

excluded pnts   fit1: gain=a0 +a1*el

fit2: gain=a0 +a1*sin(el)

fit3: gain=a0 +a1*el^2

Kelvin/Jy

elevation [deg]

Fit sigmas vs fitType by freq band

8223 8363 8505 8647 8789 8931 9073 MHz

Fit 2: a0+a1*sin(el) used

gain curve(fit2) vs El   (by freq band)

gain=a0 +a1*sin(el)