



Koninklijk Nederlands
Meteorologisch Instituut
Ministerie van Verkeer en Waterstaat

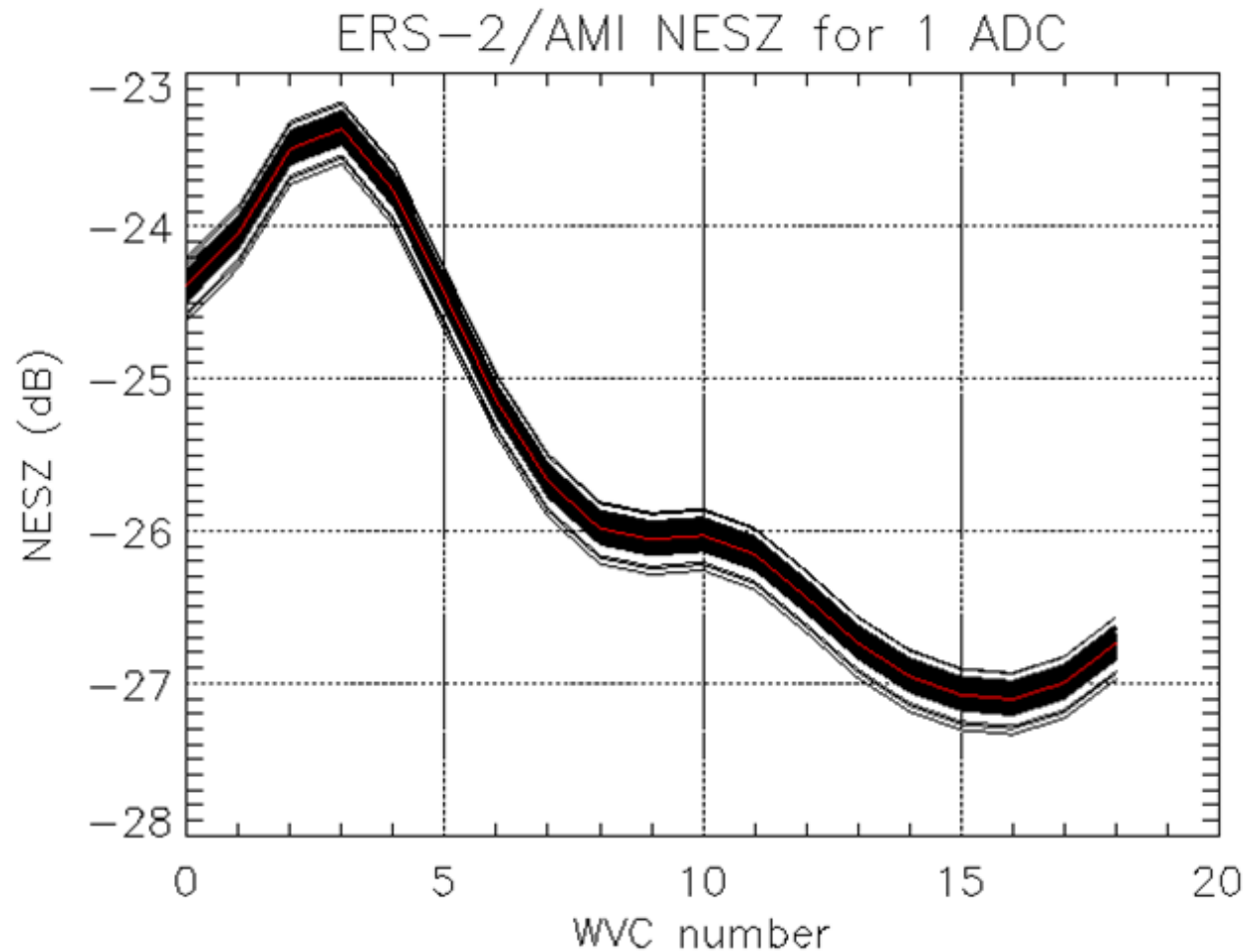


ERS2 “saturation” at low sigma0

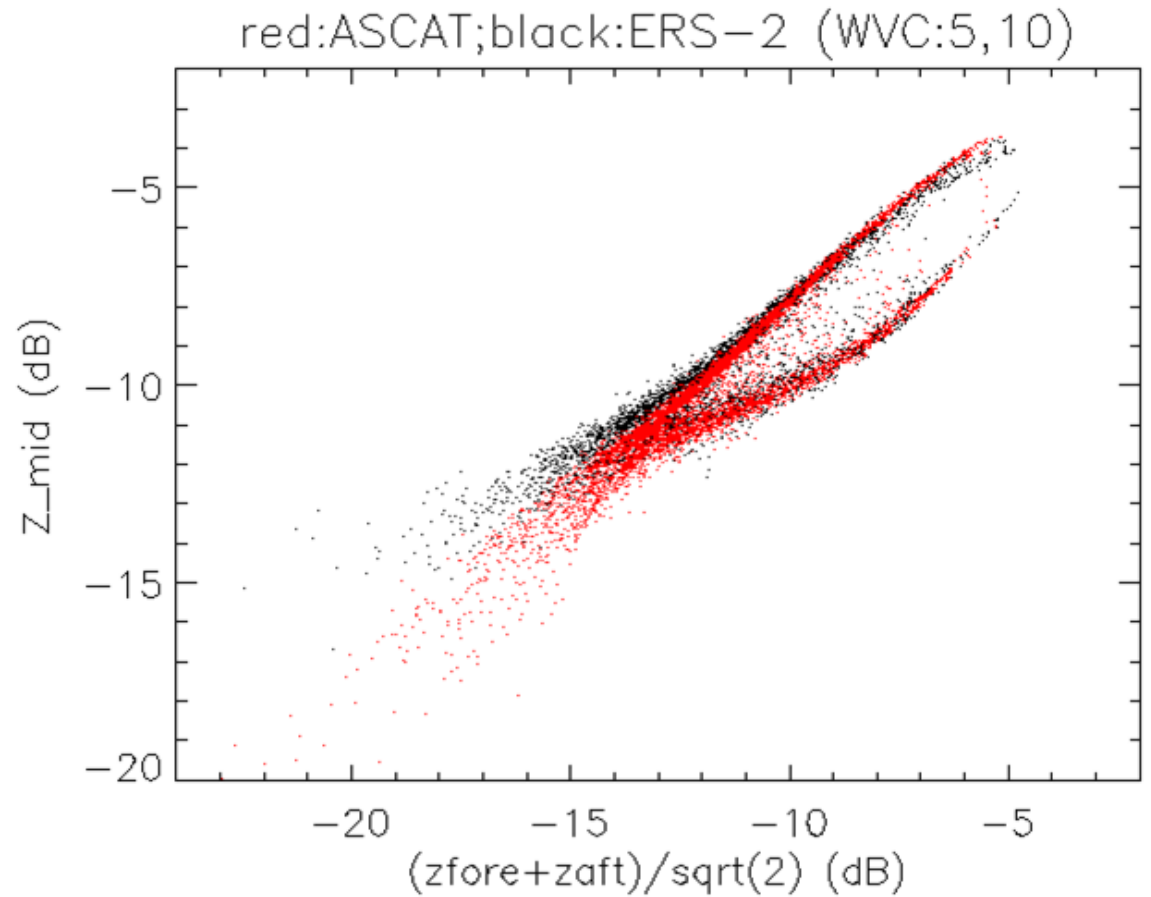


scirocco
scatterometer instrument
competence centre

how much should
be subtracted
(from the sigma0)
if there was 1
count of noise
(mid beam)

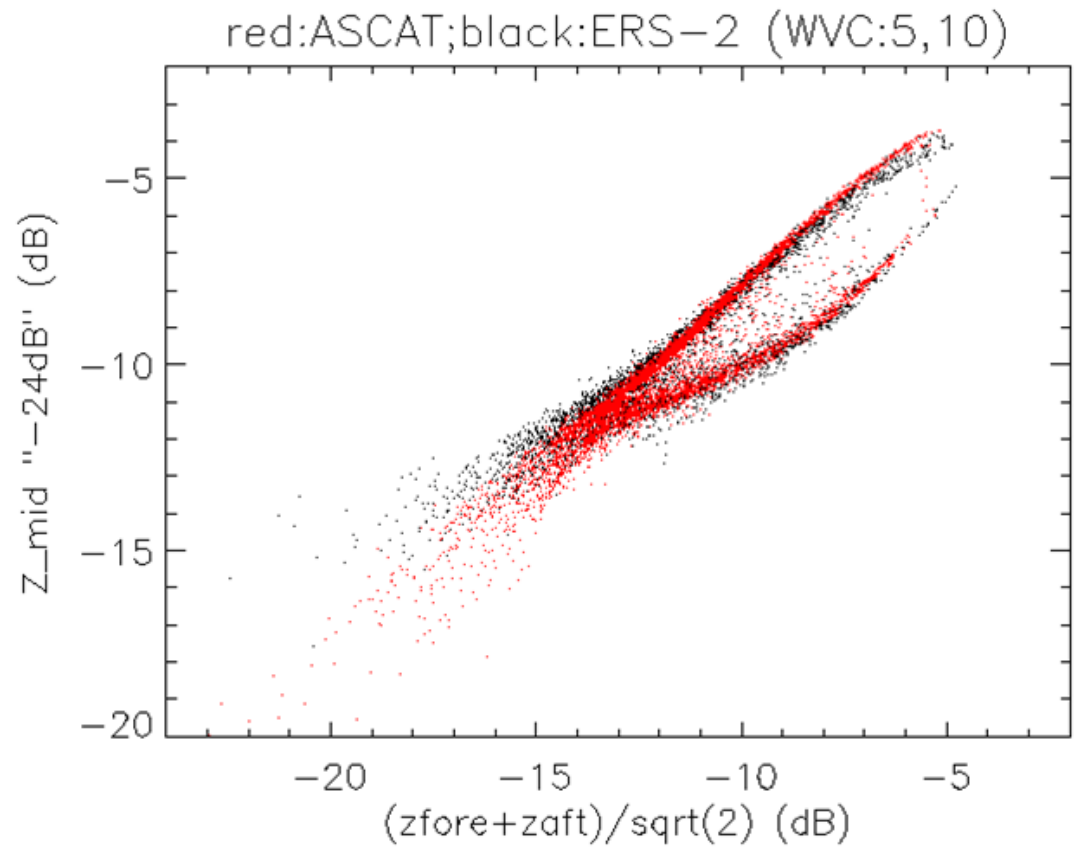


ERS2 products: ASPS



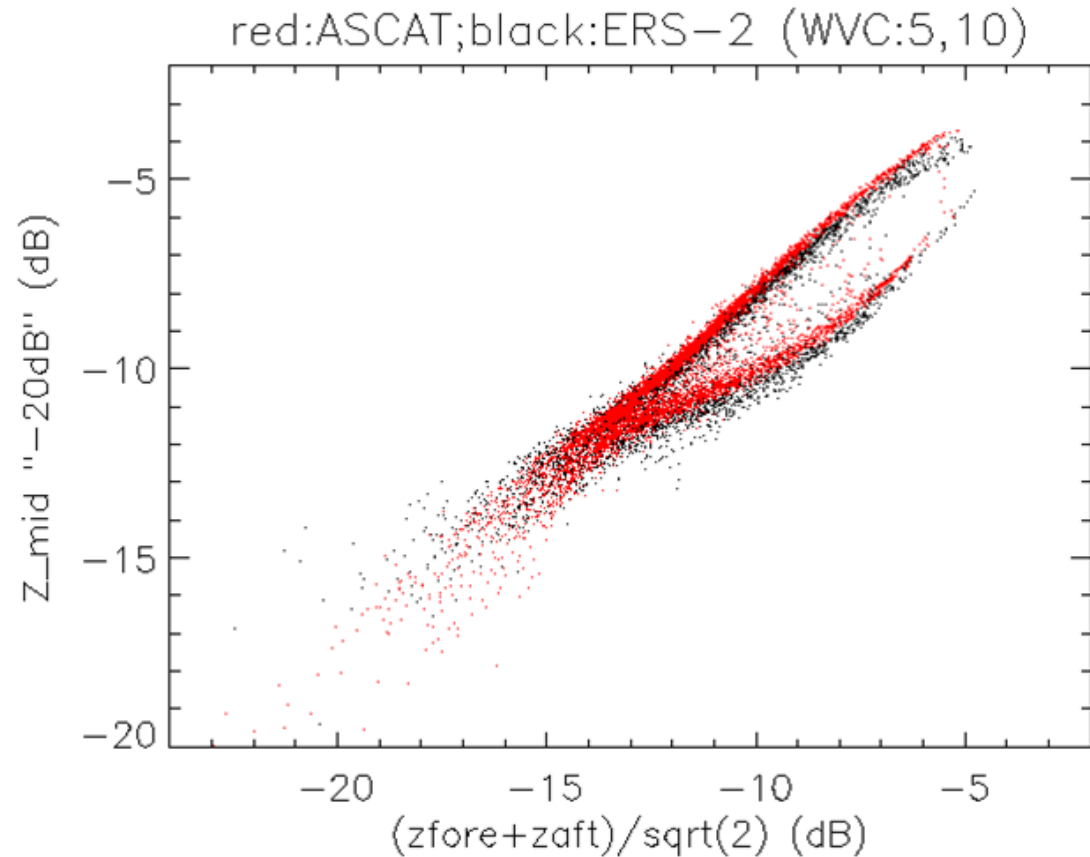
ERS2 products: ASPS

-24dB to ERS
(=1 count at near
swath)
(subtraction of a
“small” offset)



ERS2 products: ASPS

-20dB to ERS
(subtraction of a
“larger” offset)
(too large)



Non-linearity correction in ERS2

Is based on the original non-linearity correction table

Is essentially unmodified.

Current issue can be corrected using existing structures

Requires a modification of the non-linearity correction table

Need for another assessment of the saturation effect at low σ_0