

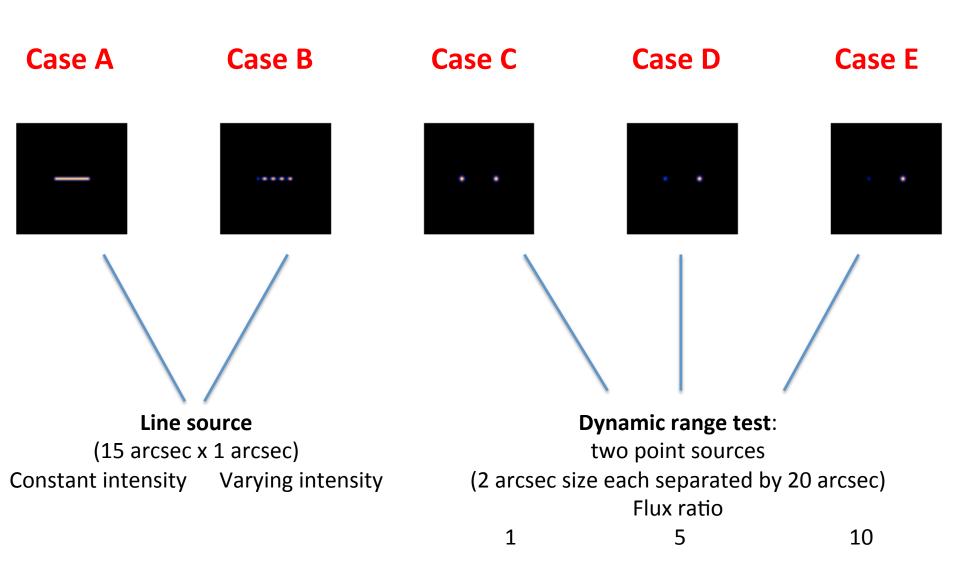
HESPE Deliverable 4.2 Specification of optimal applicability conditions for spectroscopy, imaging and imaging spectroscopy

Imaging Test

Reconstruction Methods

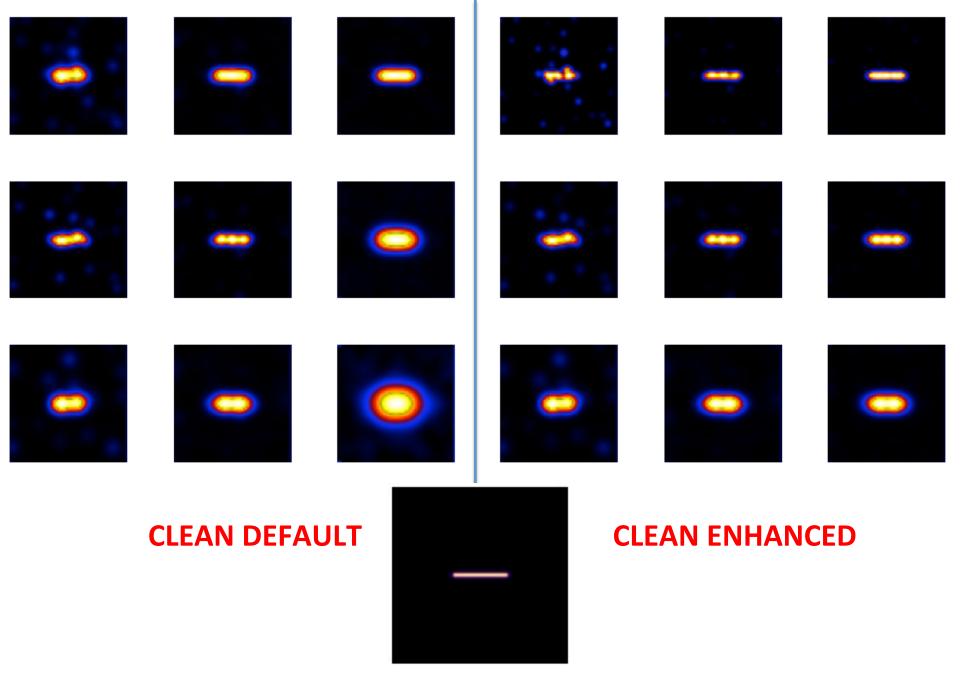
- CLEAN DEFAULT
- CLEAN ENHANCED
- PIXON
- Forward fit for visibilities (VIS FWD)
- Maximum Entropy (MEM_NJIT)
- UV_SMOOTH
- Expectation Maximization (EM)

Test images

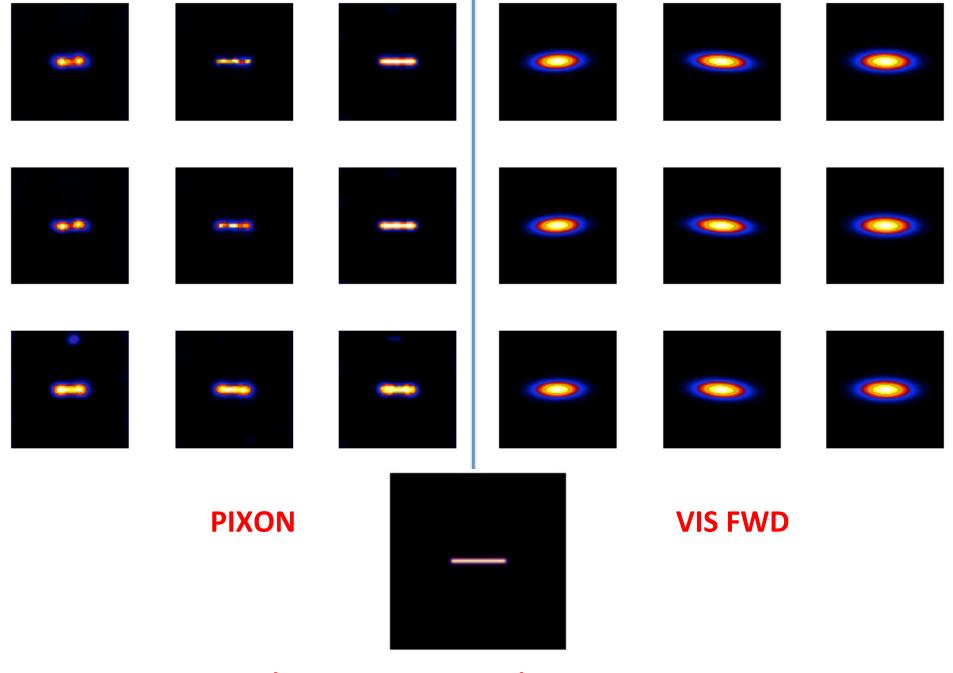


Configurations, statistics and panel display

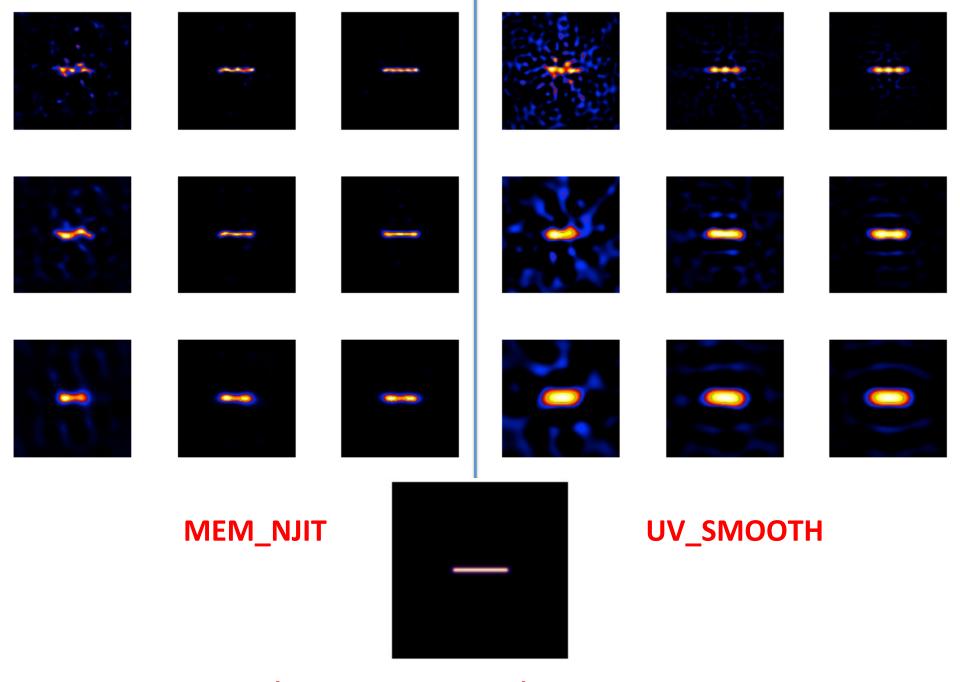
- three combinations of detectors
 - detectors from 1 through 9 (row 1)
 - detectors from 2 through 9 (row 2)
 - detectors from 3 through 9 (row 3)
- three levels of statistics
 - low (column 1)
 - medium (column 2)
 - high (column 3)



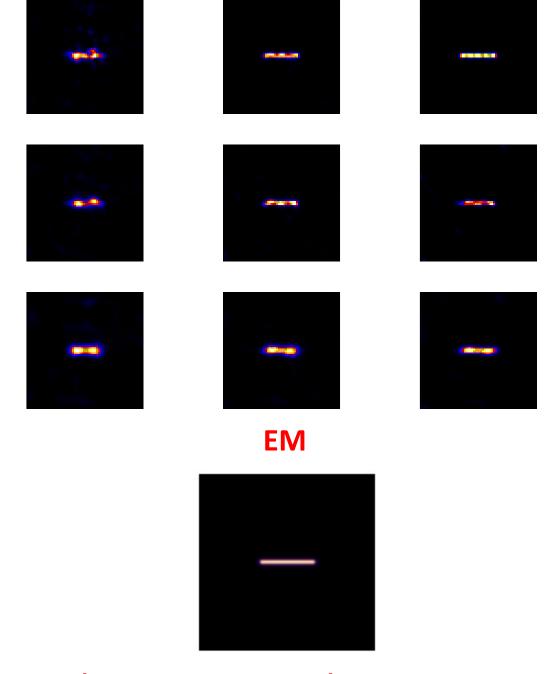
Case A: Line source (constant intensity)



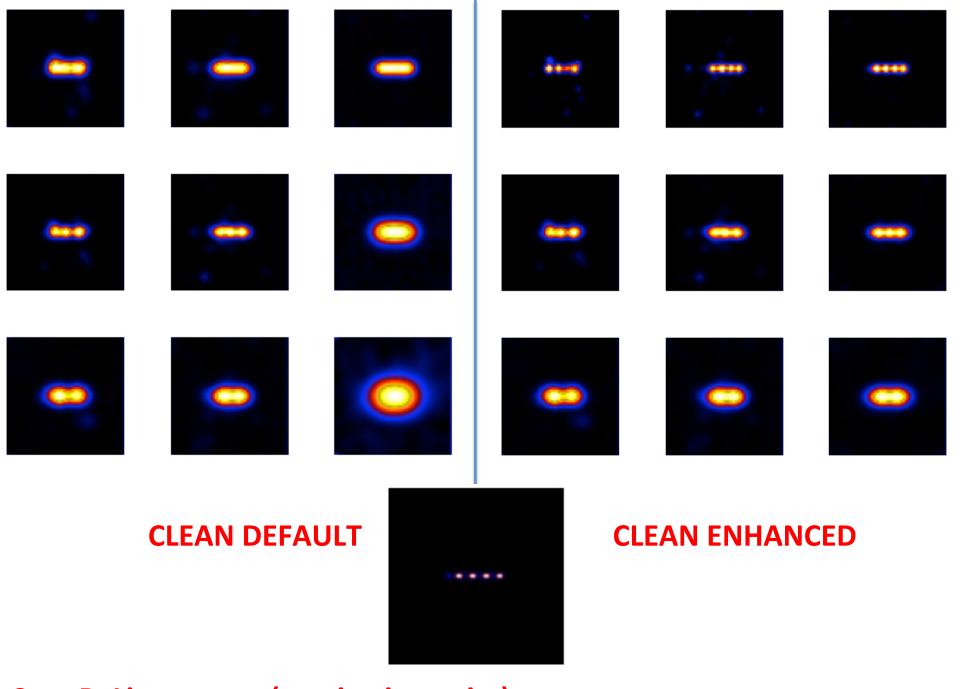
Case A: Line source (constant intensity)



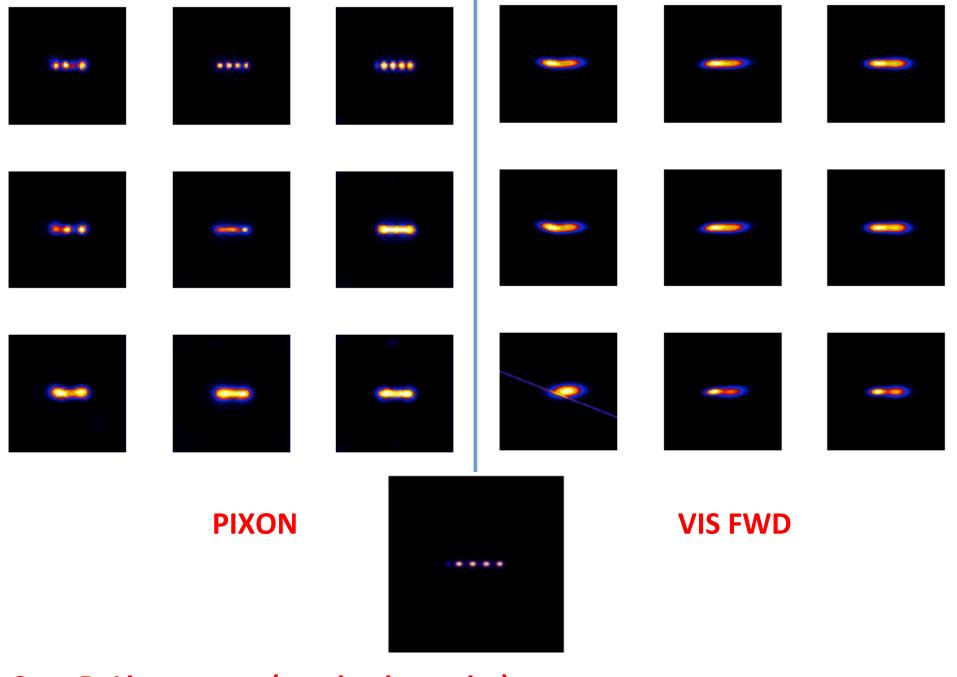
Case A: Line source (constant intensity)



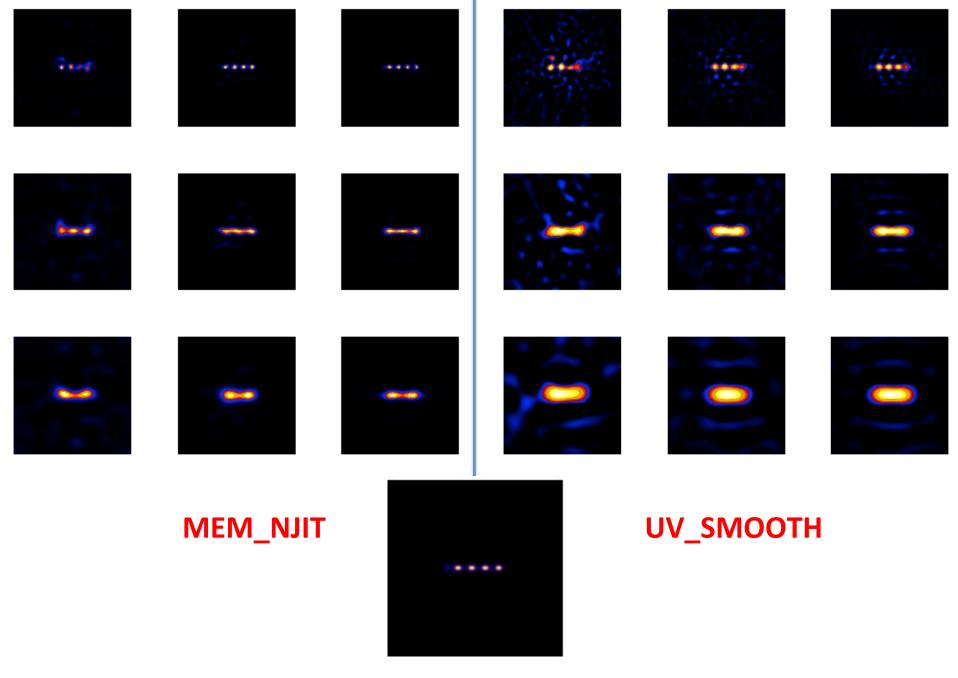
Case A: Line source (constant intensity)



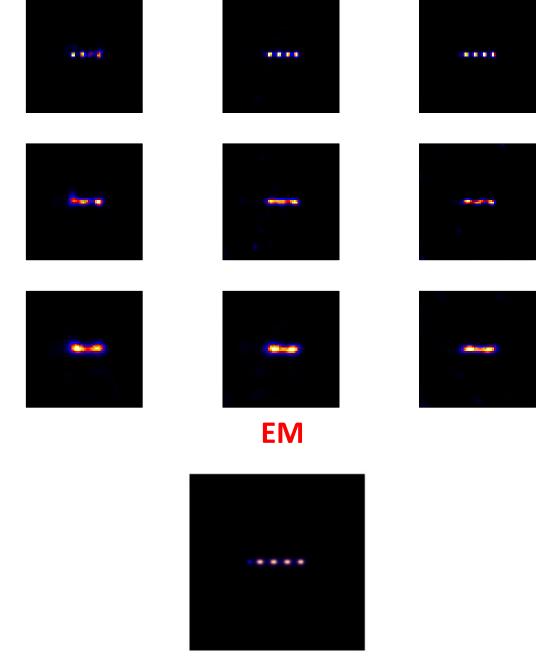
Case B: Line source (varying intensity)



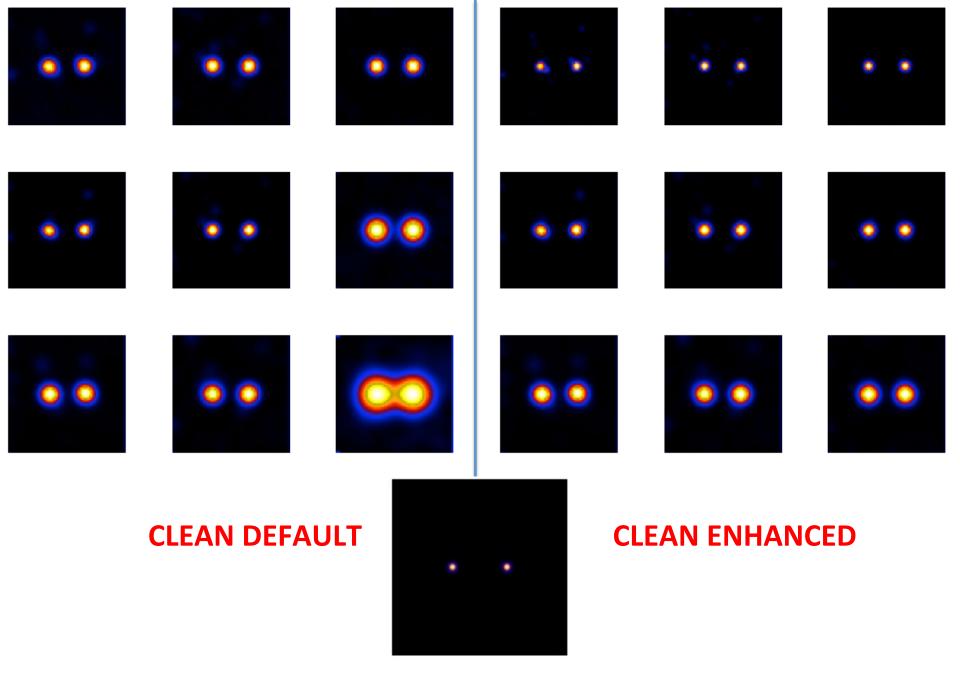
Case B: Line source (varying intensity)



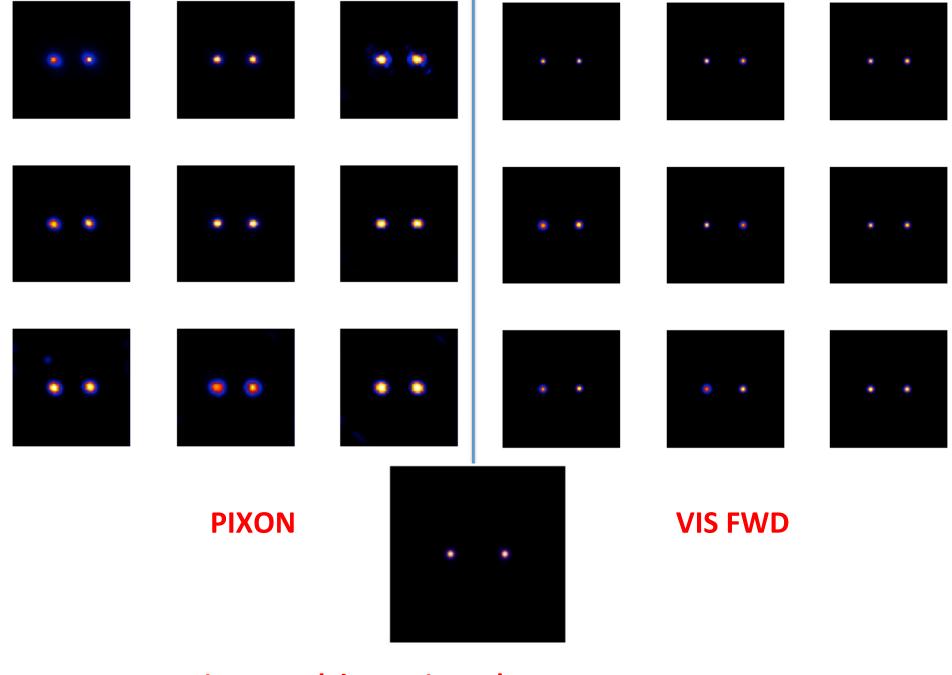
Case B: Line source (varying intensity)



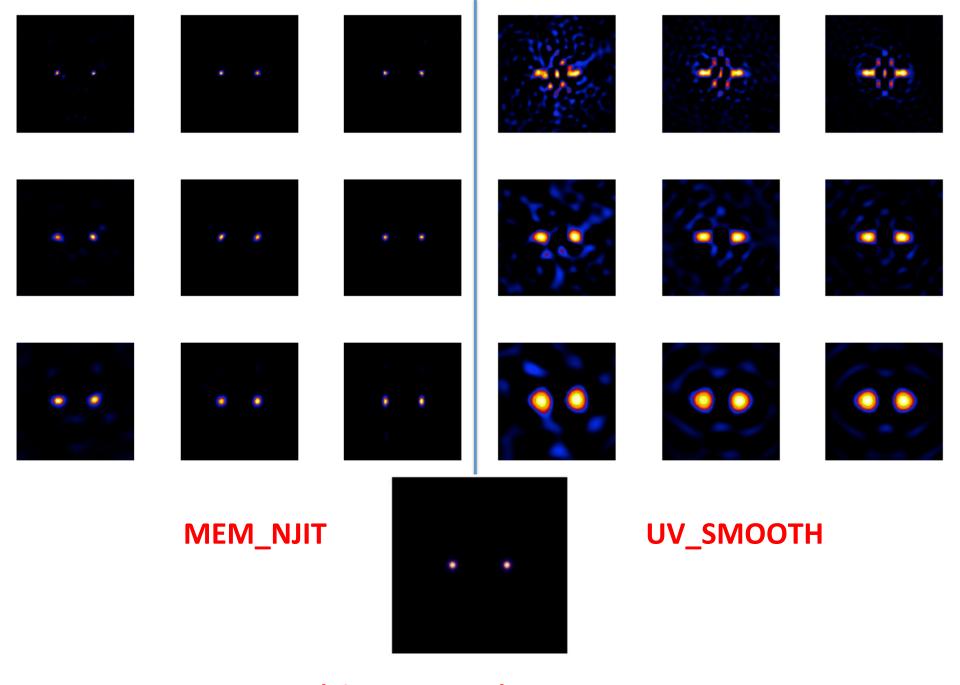
Case B: Line source (varying intensity)



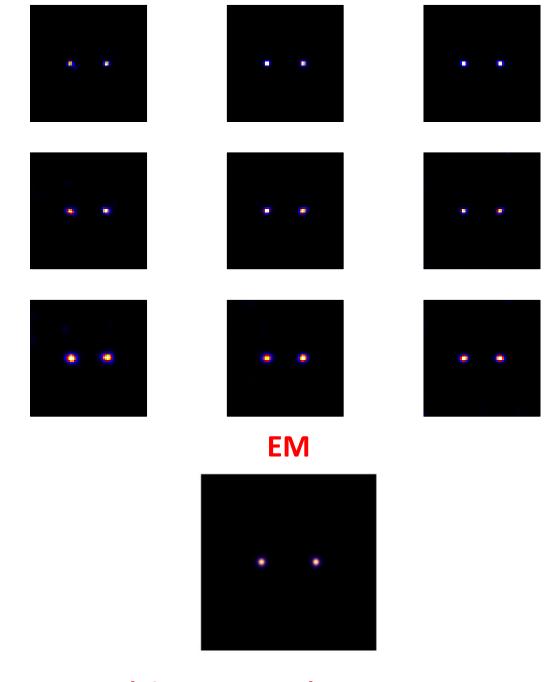
Case C: Dynamic range (Flux ratio=1)



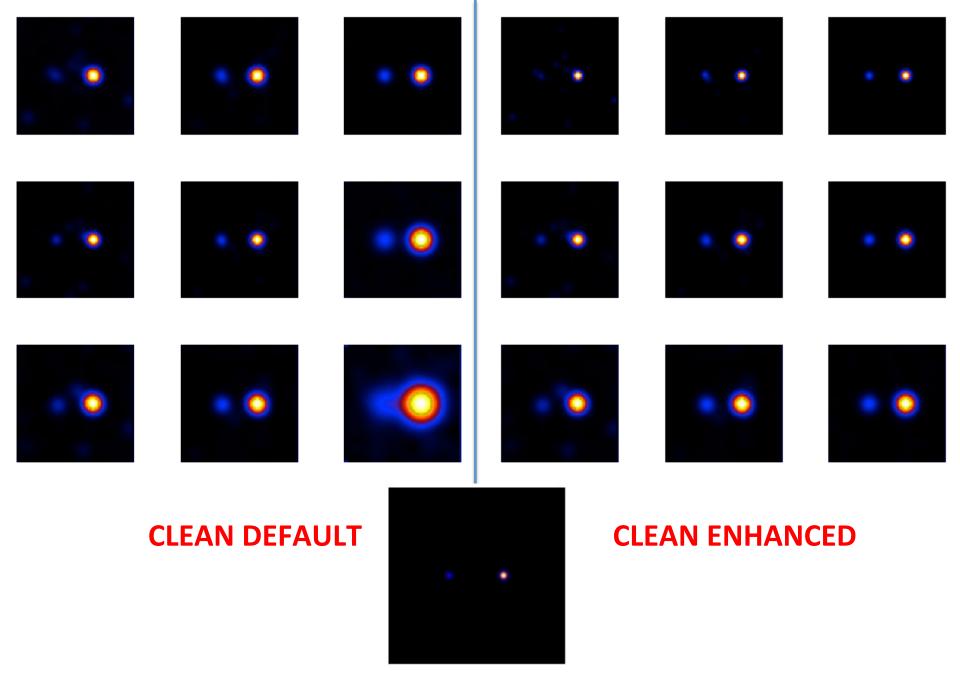
Case C: Dynamic range (Flux ratio = 1)



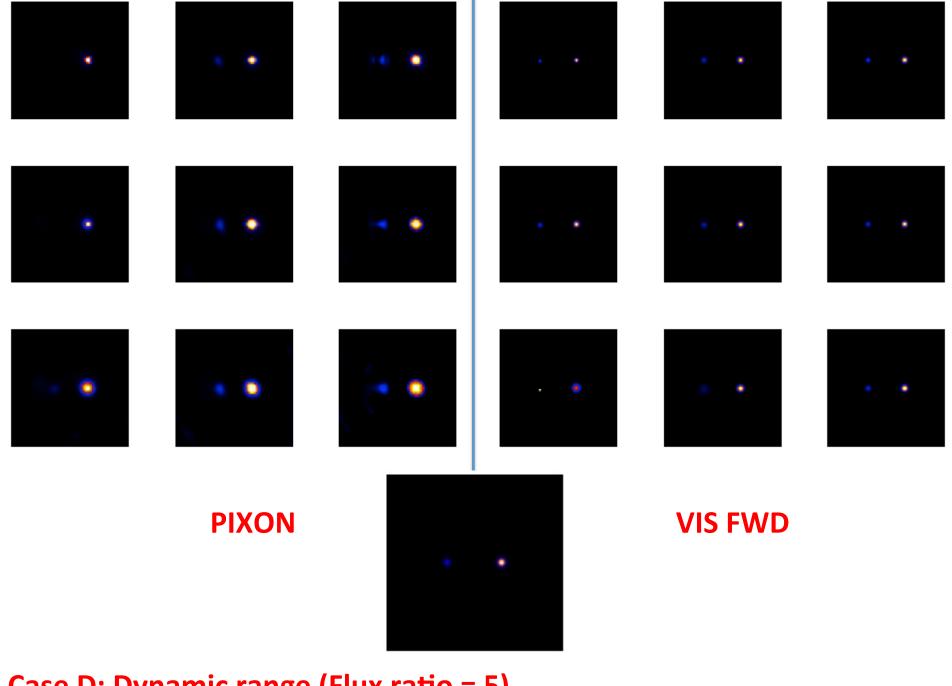
Case C: Dynamic range (Flux ratio = 1)



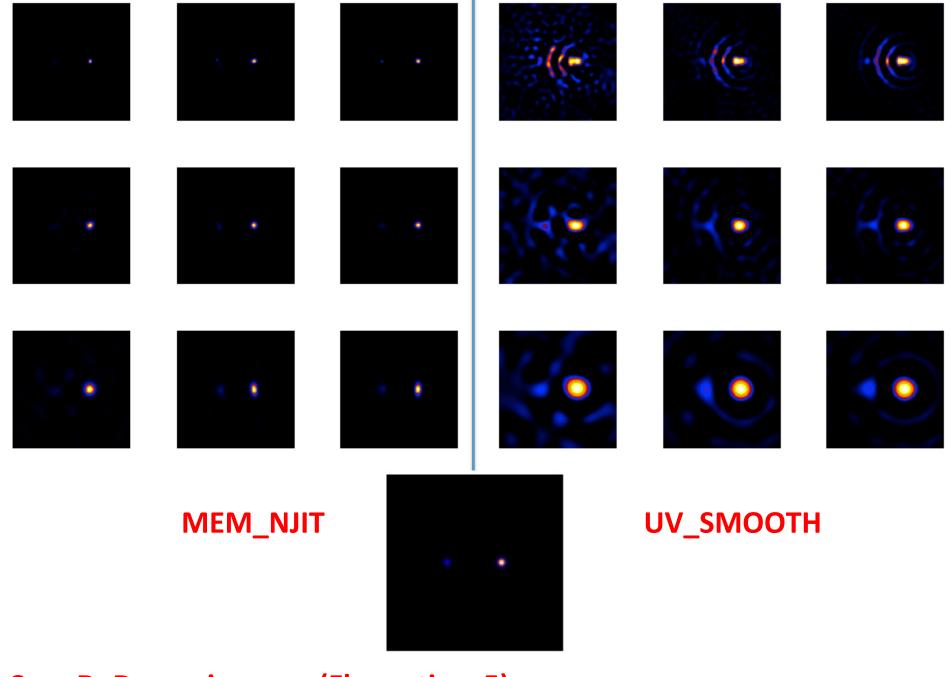
Case C: Dynamic range (Flux ratio = 1)



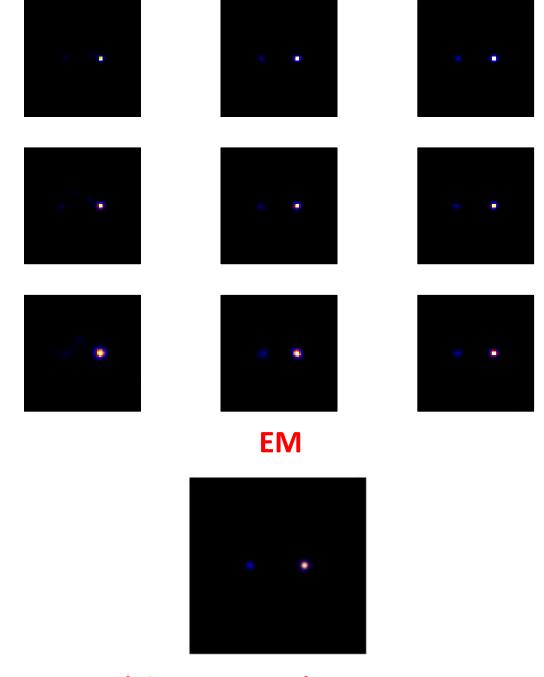
Case D: Dynamic range (Flux ratio = 5)



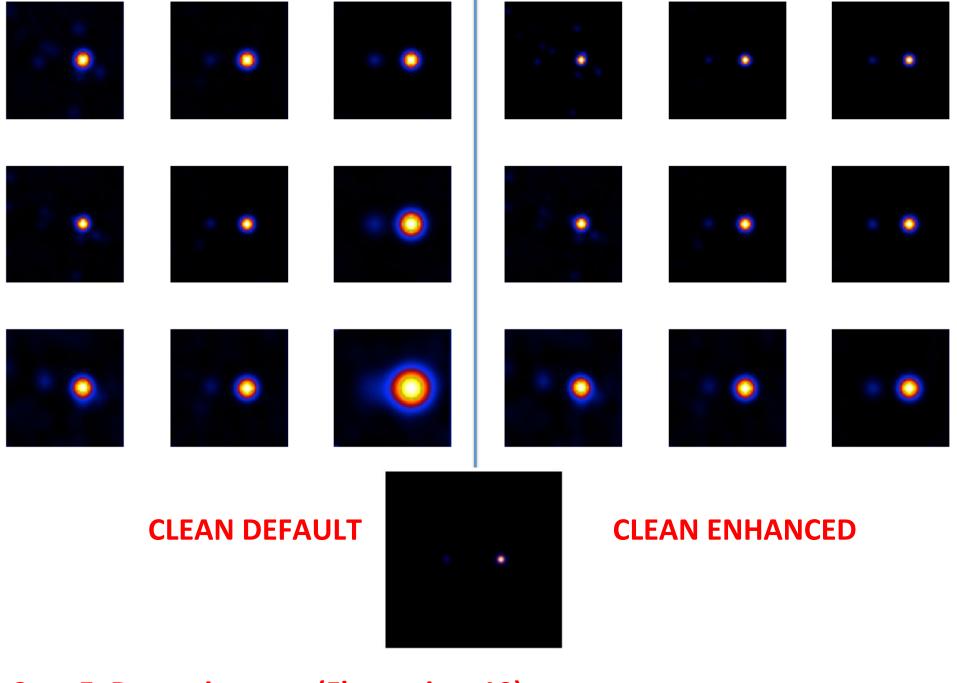
Case D: Dynamic range (Flux ratio = 5)



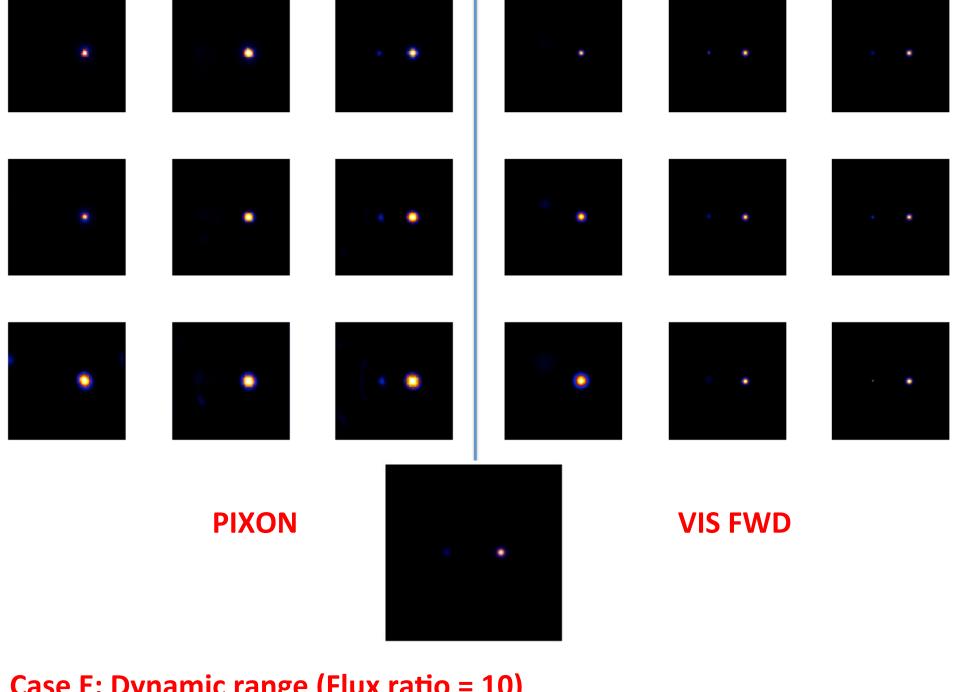
Case D: Dynamic range (Flux ratio = 5)



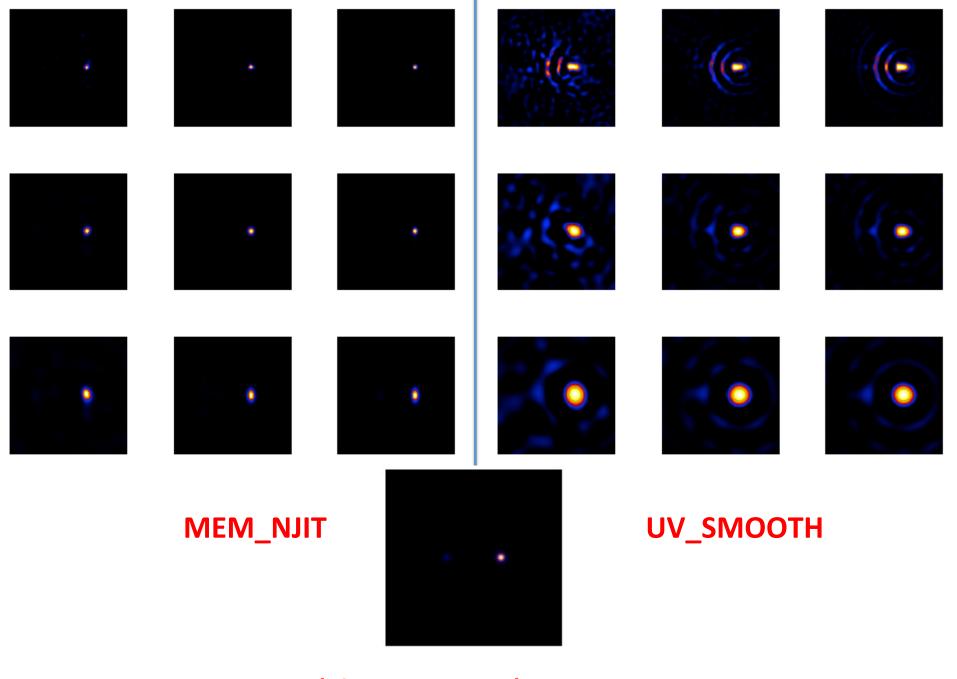
Case D: Dynamic range (Flux ratio = 5)



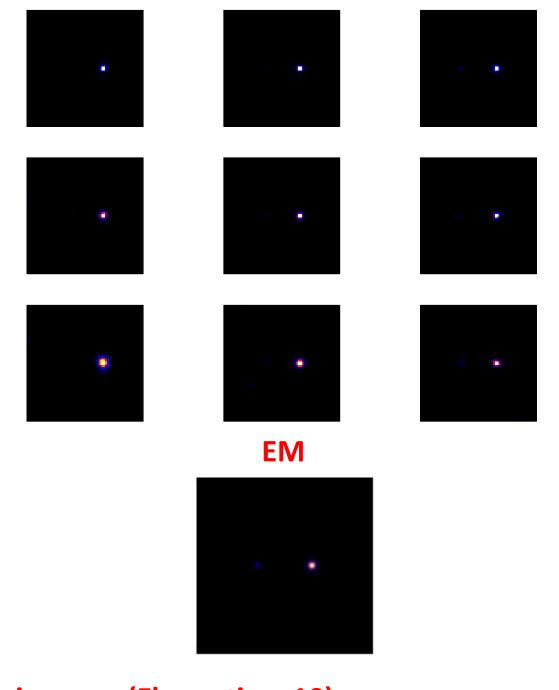
Case E: Dynamic range (Flux ratio = 10)



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