



HESPE Deliverable 4.2

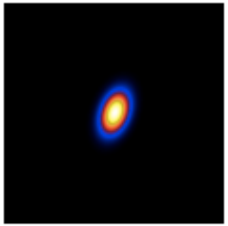
Specification of optimal applicability conditions for spectroscopy, imaging and imaging spectroscopy

Imaging Test

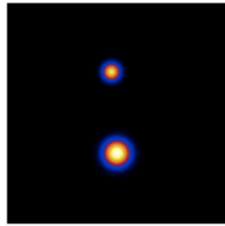
Reconstruction Methods

- CLEAN DEFAULT
- PIXON
- Maximum Entropy (MEM_NJIT)
- UV_SMOOTH

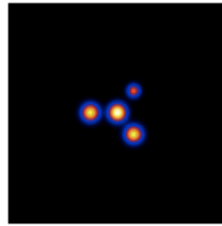
Test images



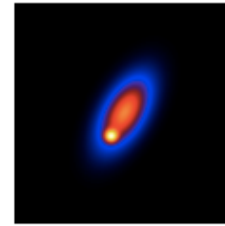
May 21, 2004
Single compact
source, slightly
elongated



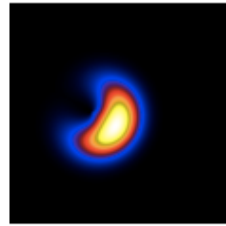
Feb 20, 2002
Two footpoints
(different size and
intensity)



Jul 23, 2002
4 compact
sources



Dec 02, 2003
Extended +
compact



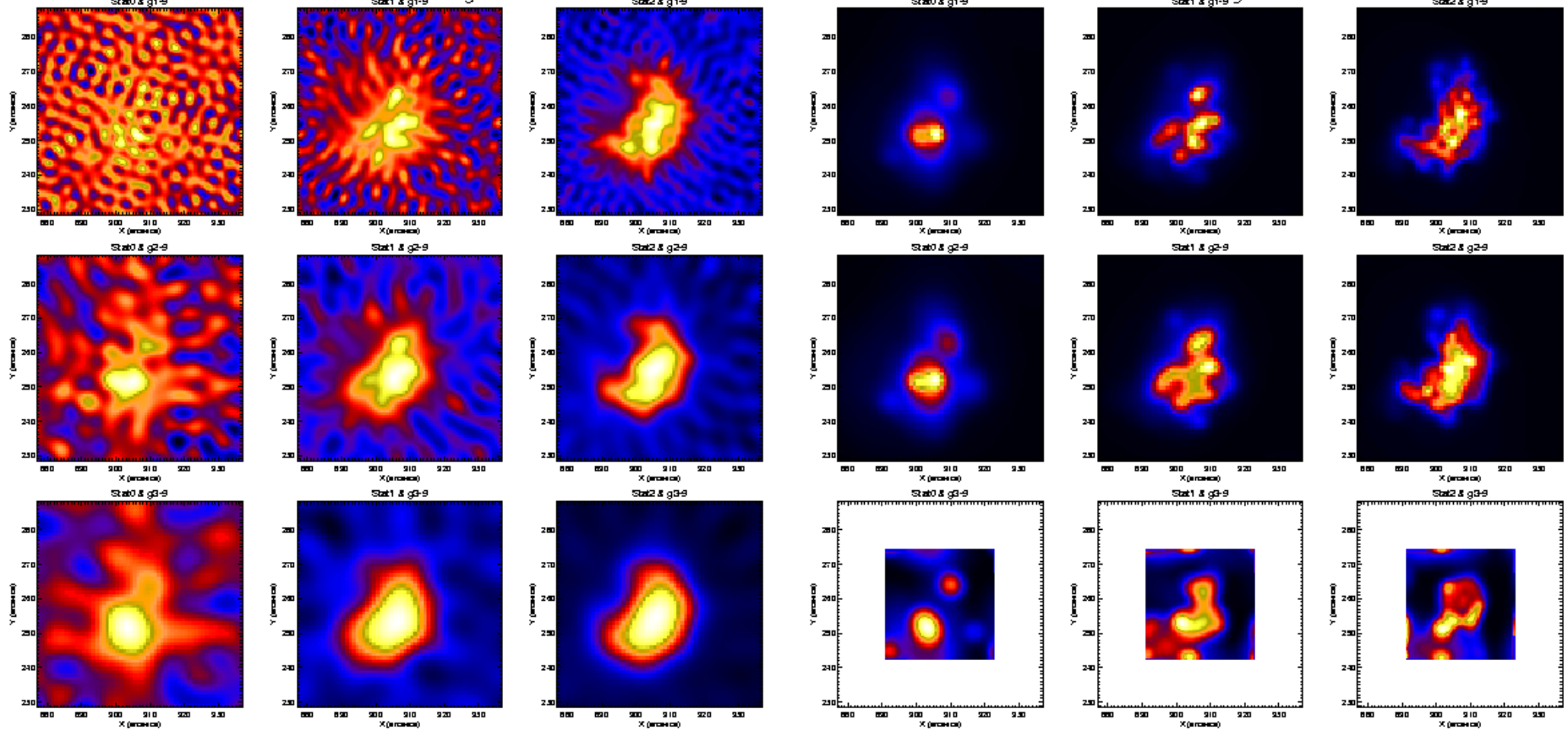
Aug 23, 2005
loop

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)

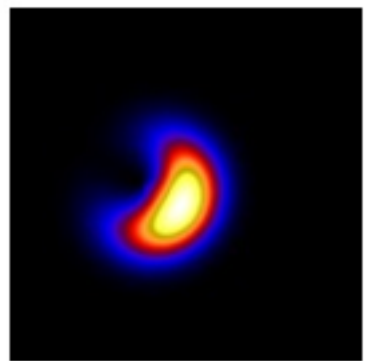
CLEAN_UNI: aug23

PIXON: aug23



CLEAN

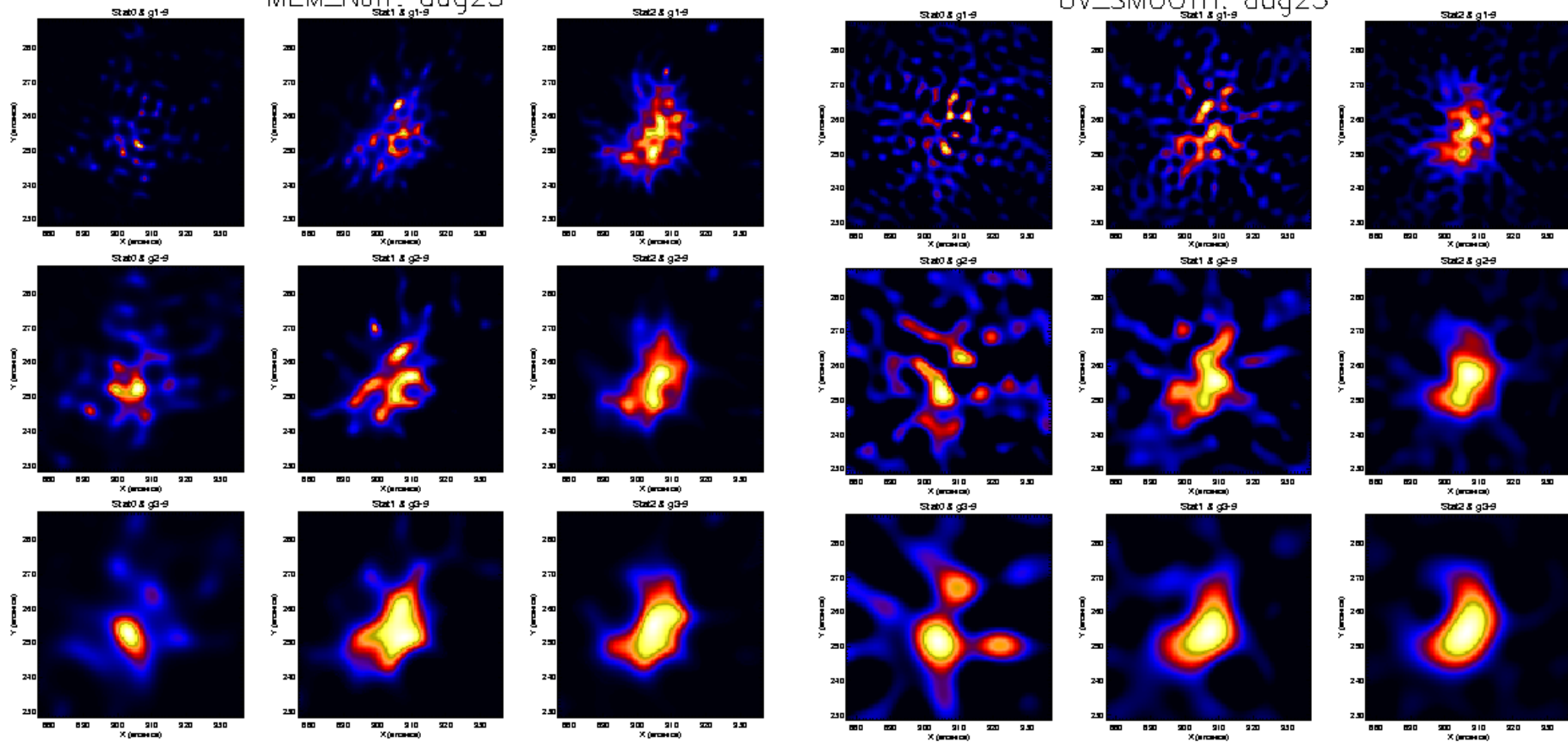
PIXON



Case: Aug 23

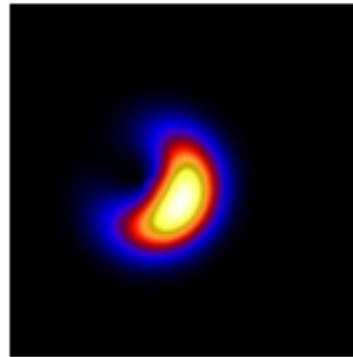
MEM_NJIT: aug23

UV_SMOOTH: aug23



MEM_NJIT

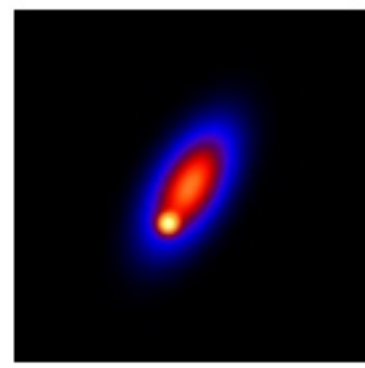
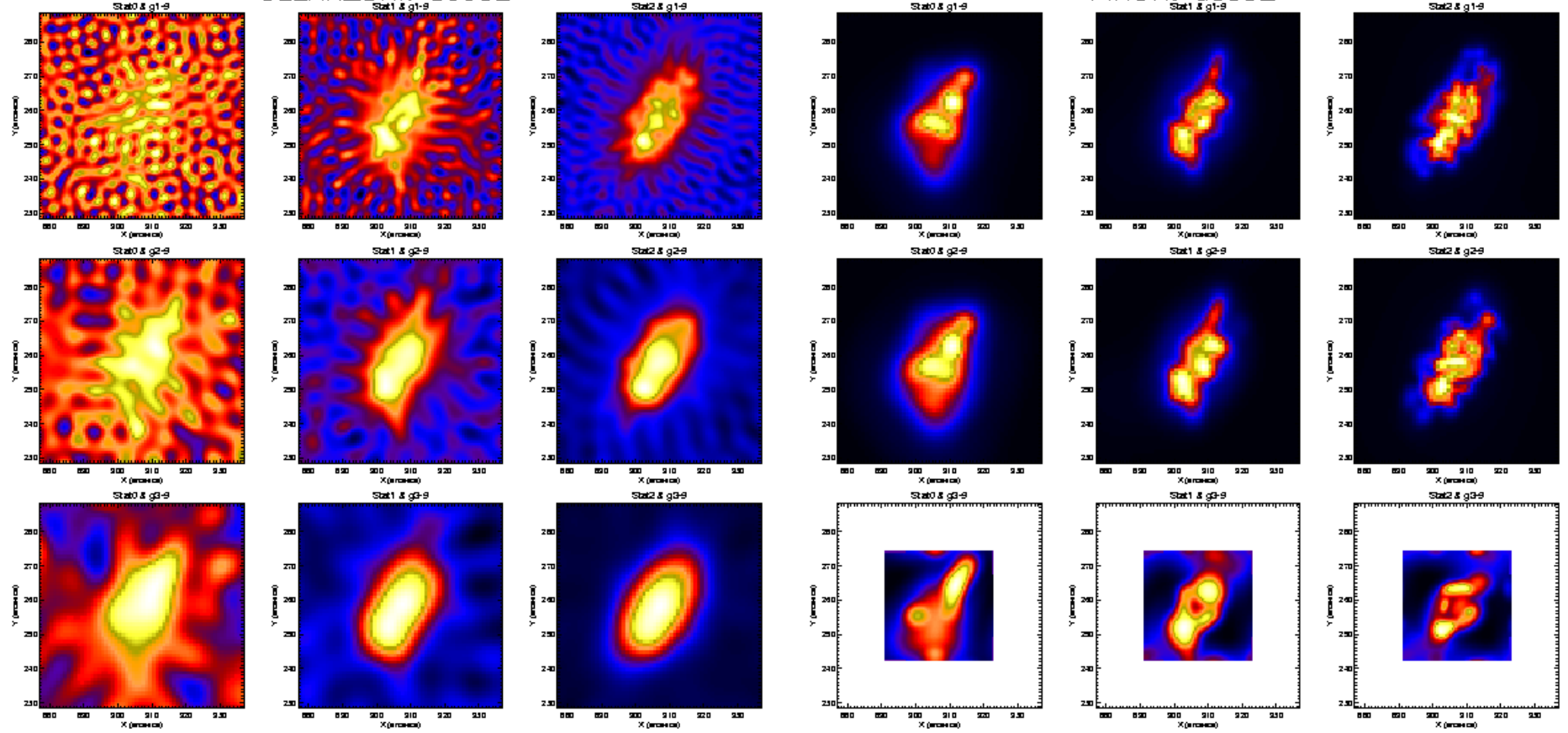
UV_SMOOTH



Case: Aug 23

CLEAN_LUN: dec02

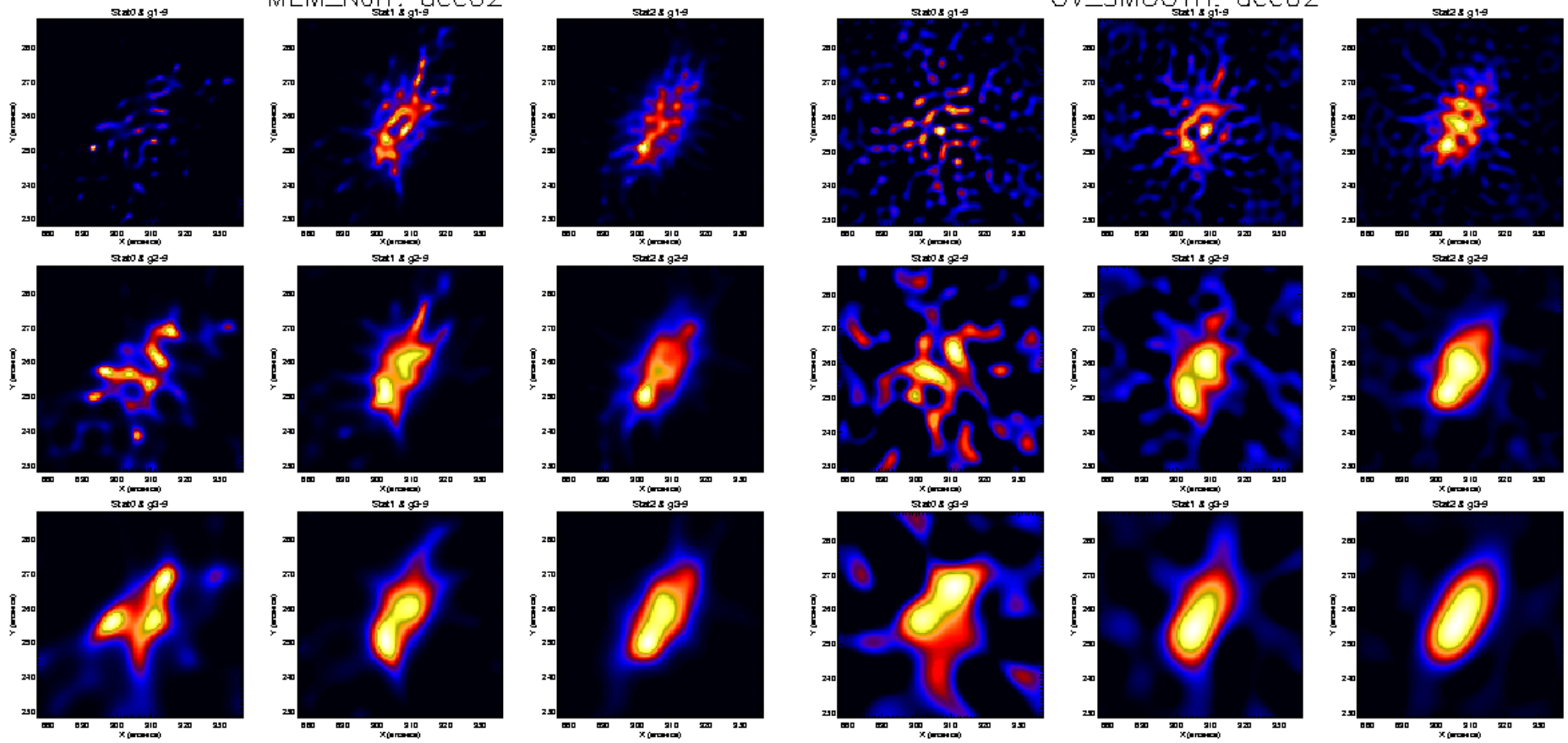
PIXON: dec02



Case: Dec 02

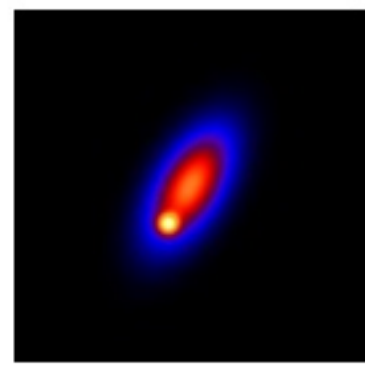
MEM_NJIT

UV_SMOOTH: dec02



MEM_NJIT

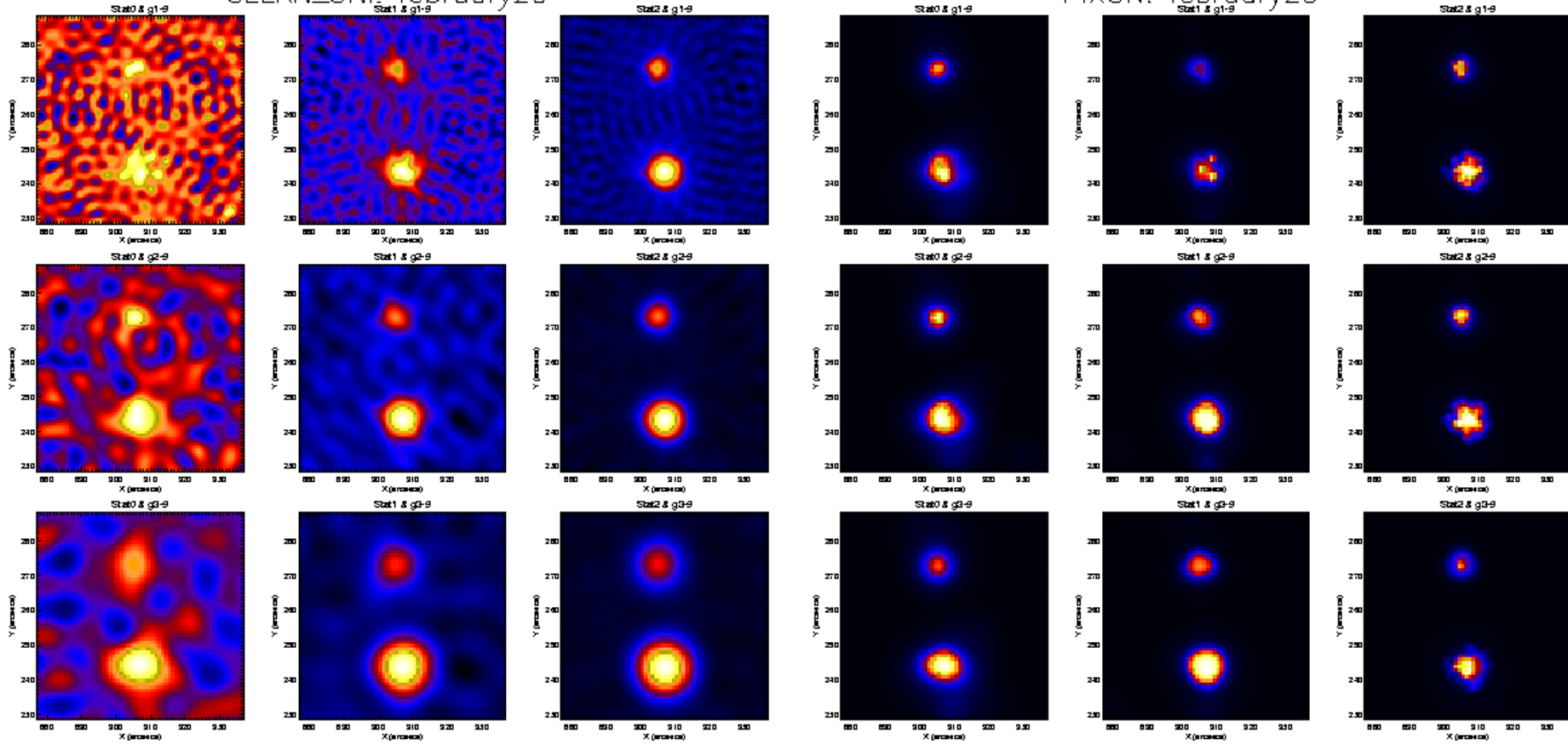
UV_SMOOTH



Case: Dec 02

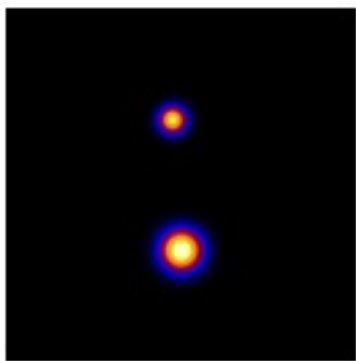
CLEAN_LUN1: february20

PIXON: february20



CLEAN

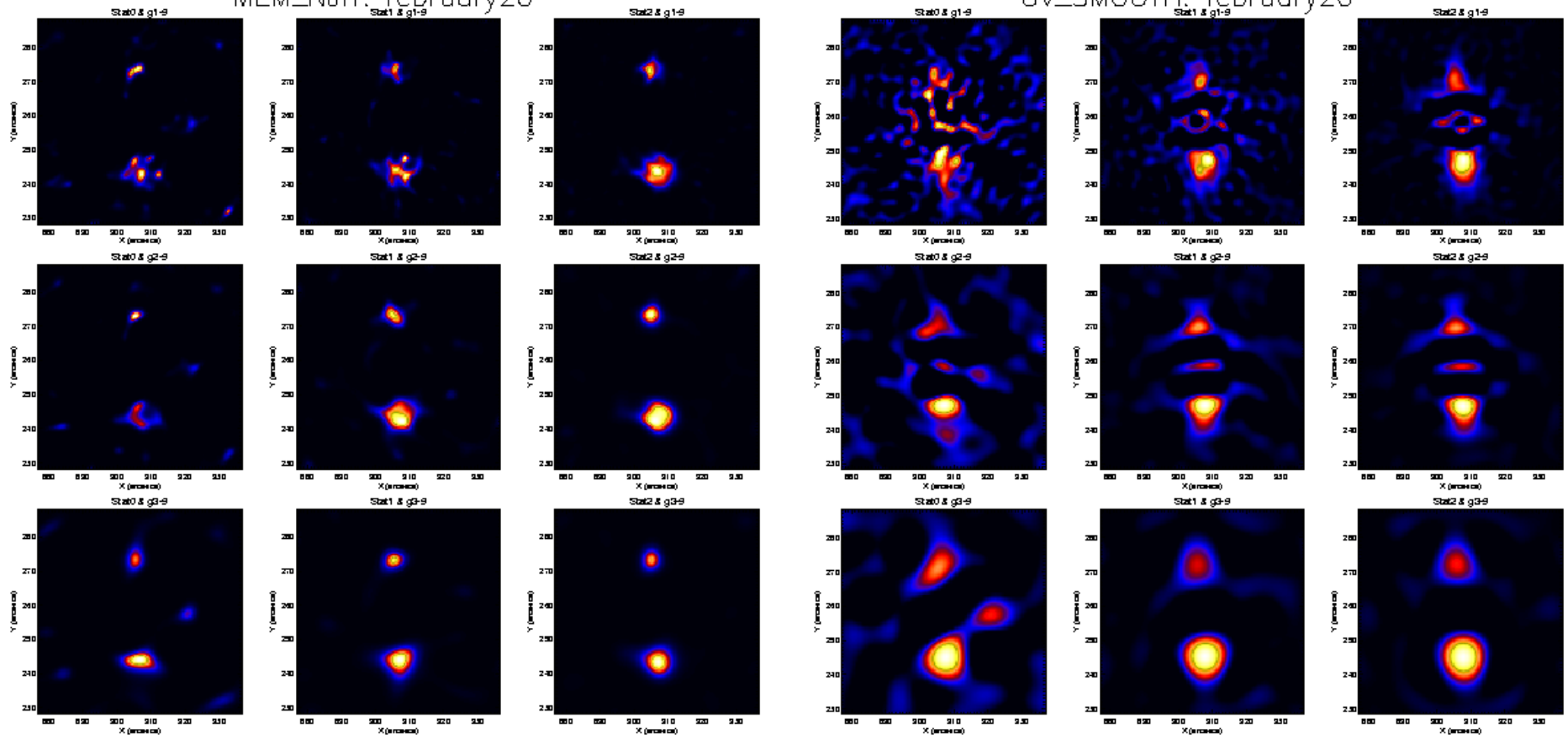
PIXON



Case: Feb 20

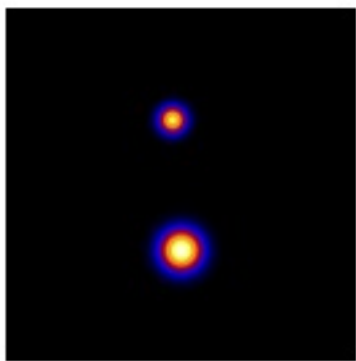
MEM_NJIT: february20

UV_SMOOTH: february20



MEM_NJIT

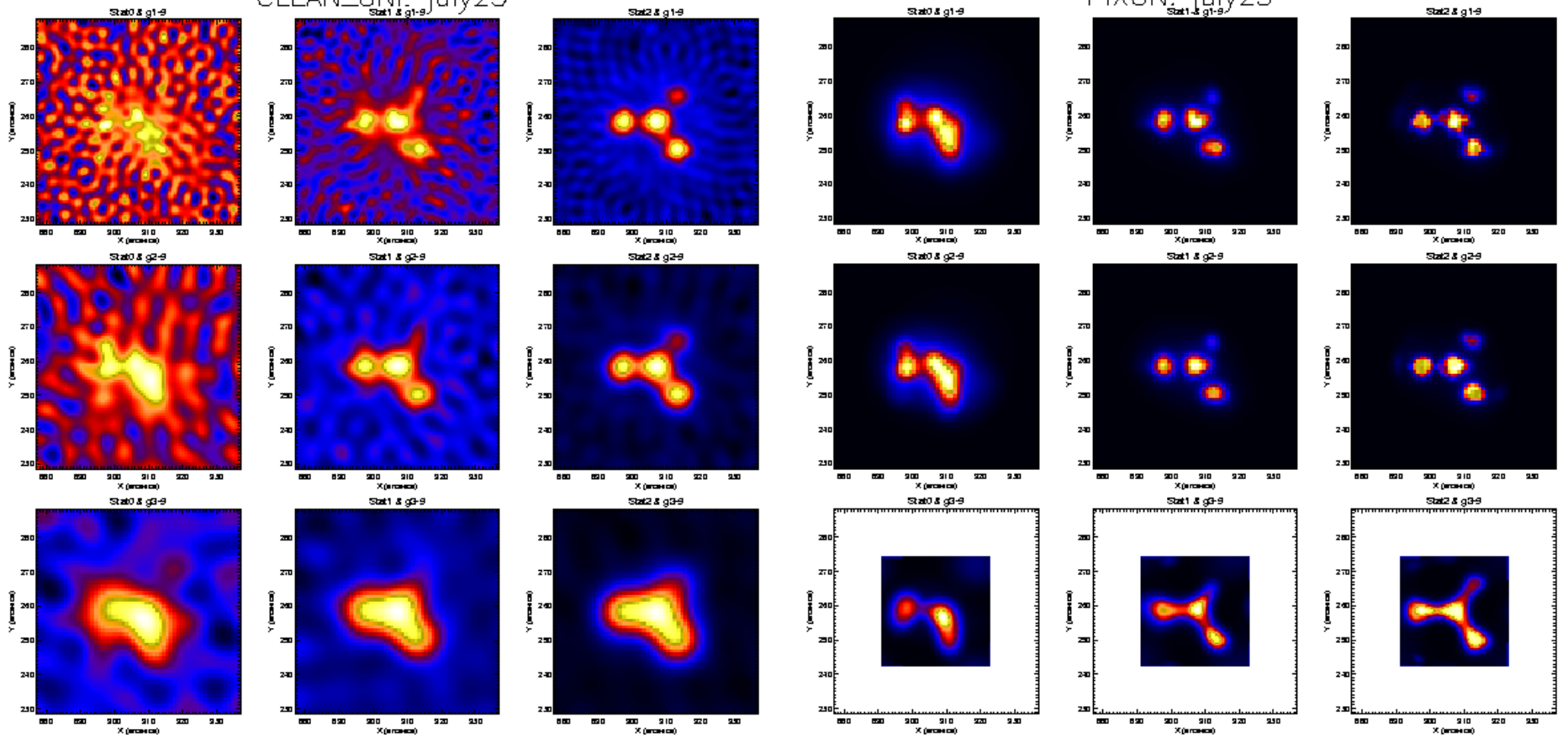
UV_SMOOTH



Case: Feb 20

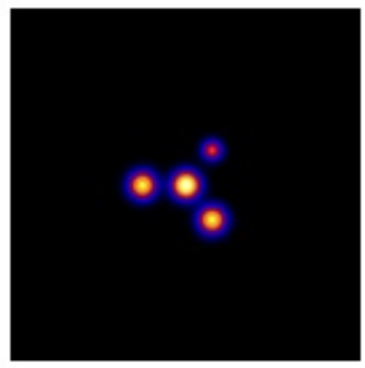
CLEAN_LUN1_july23

PIXON_july23



CLEAN

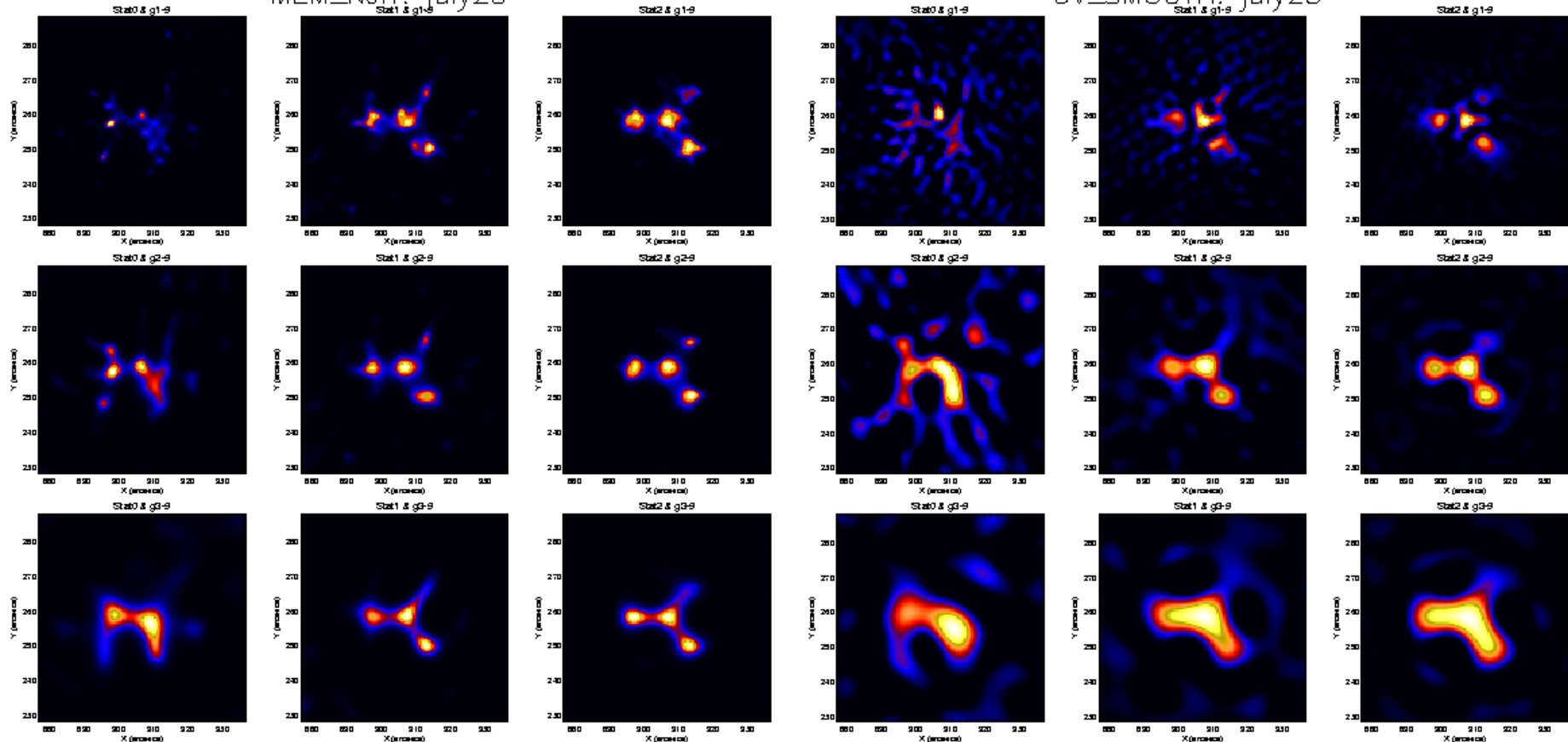
PIXON



Case: Jul 23

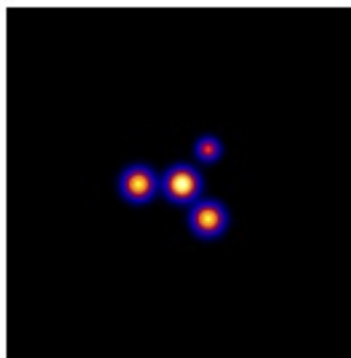
MEM_NJIT: july23

UV_SMOOTH: july23



MEM_NJIT

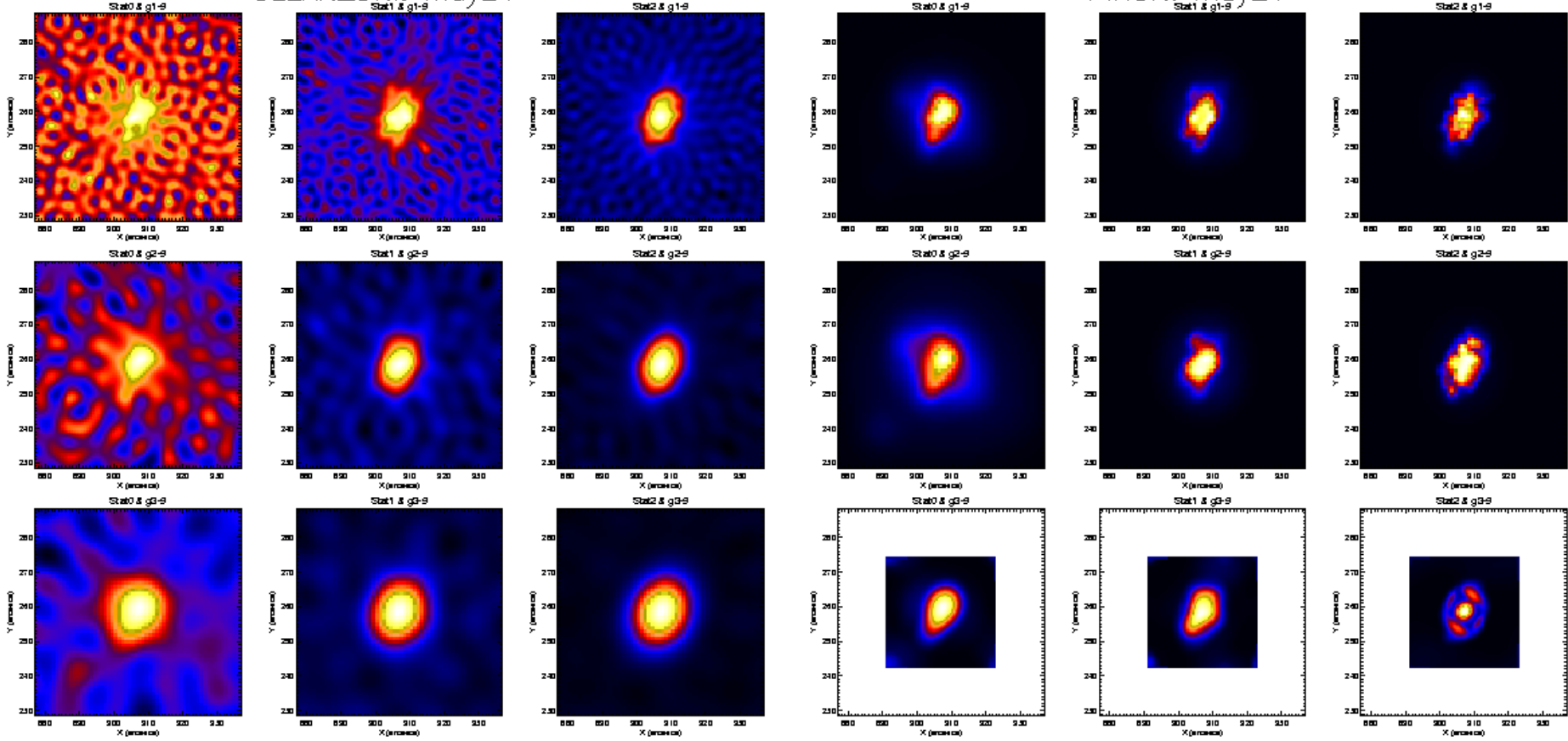
UV_SMOOTH



Case: Jul 23

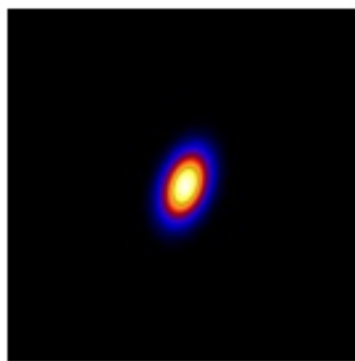
CLEAN_LUN1_may21

PIXON: may21



CLEAN

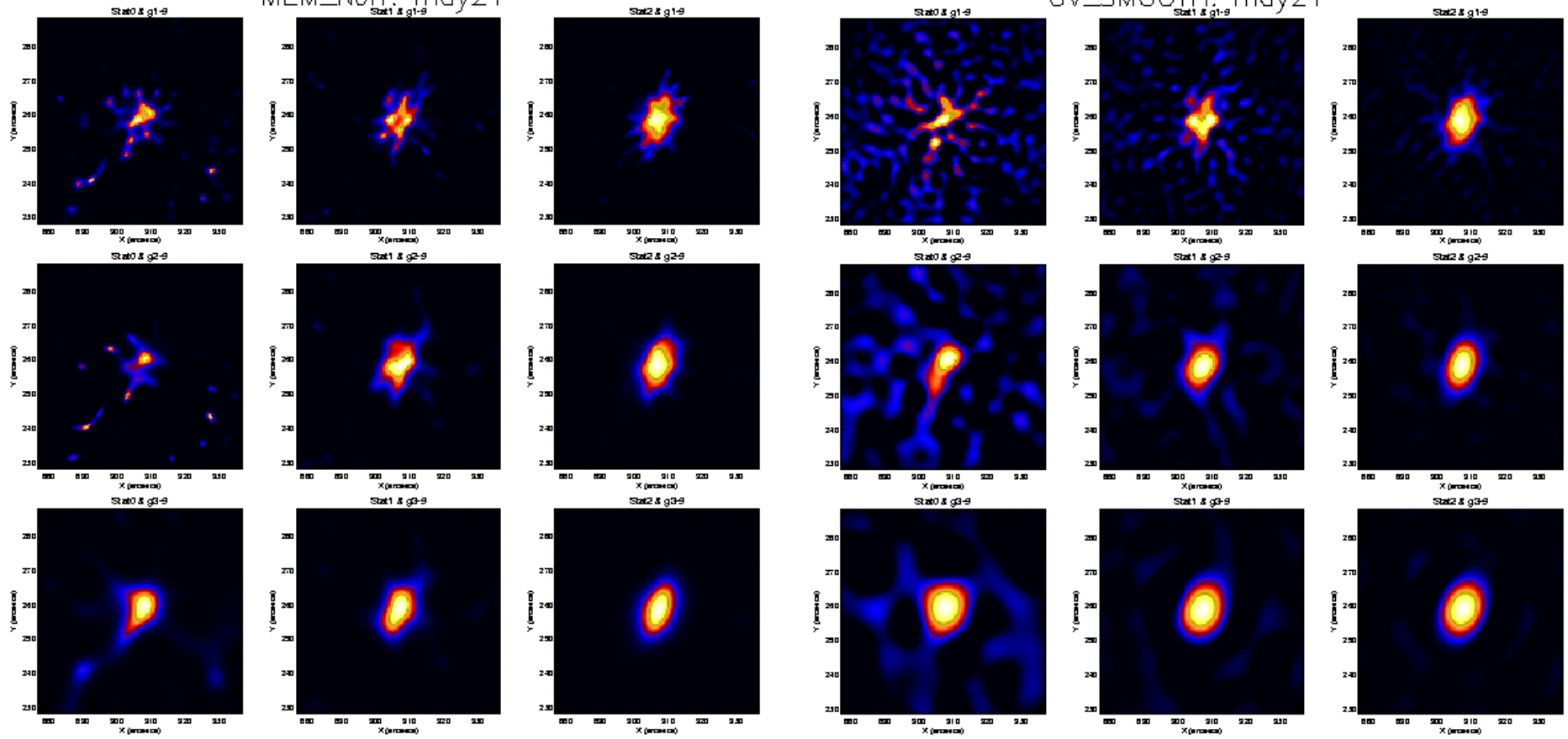
PIXON



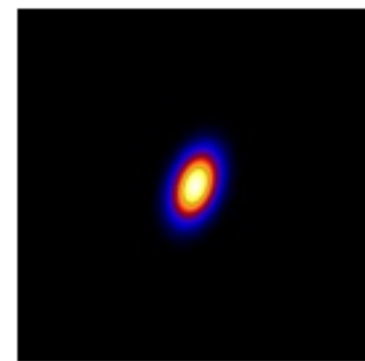
Case: May 21

MEM_NJIT: may21

UV_SMOOTH: may21



MEM_NJIT



UV_SMOOTH

Case: May 21