2016 GPI shot list

sz v.3 5/11/16

starting with no puff, normal zoom with new optics

all images 64 horizontal (radial) x 80 vertical (poloidal)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| shot | I | B | NBI  | puff | quality | µs | comments |
| 203941 | 800 | 660 | 4 | - | good | 20 | 0.3 sec - L-H transition at 233 ms |
| 203942 | 800 | 660 | 4 | - | good | 20 | 0.8 sec - good wall background |
| 203955 | 800 | 660 | 4 | - | good | 20 | 1.4 sec - good wall background |
| 203956 | 800 | 660 | 4 | - | good | 20 | 0.8 sec - good wall background |
| 203957 | 800 | 660 | 5 | - | good | 20 | 0.8 sec - good wall background |
| 203958 | 800 | 660 | 4 | - | fair | 20 | 0.5 sec  |
| 203959 | 800 | 660 | 4 | - | fair | 10 | 0.5 sec  |
| 203961 | 800 | 660 | 5 | - | great | 10 | 0.8 sec  |
| 203963 | 800 | 660 | 5 | - | good | 10 | 0.5 sec  |
| 203971 | 800 | 660 | 4 | - | fair | 10 | 0.5 sec  |
| 203968 | 800 | 660 | 3 | - | fair | 10 | 0.5 sec  |
| 203969 | 800 | 660 | 4 | - | fair | 10 | 0.5 sec  |
| 203970 | 800 | 660 | 4 | - | fair | 10 | 0.5 sec  |
| 203971 | 800 | 660 | 4 | - | fair | 10 | 0.5 sec  |
| 203972 | 800 | 660 | 4 | - | fair | 10 | 0.3 sec  |
| 203974 | 800 | 660 | 4 | - | fair | 10 | 0.3 sec - see wall |
| 203978 | 800 | 660 | 4 | - | good | 10 | 0.5 sec  |
| 203979 | 800 | 660 | 4 | - | good | 10 | 0.5 sec  |
| 203991 | 800 | 660 | 4 | - | good | 10 | 0.3 sec – looks like H-mode |
| 203997 | 600 | 660 | 4 | - | fair | 10 | 0.6 sec  |
| 204000 | 600 | 660 | 4 | - | great | 10 | 0.8 sec  |
| 204001 | 600 | 660 | 4 | - | good | 10 | 0.7 sec  |
| 204004 | 600 | 660 | 3 | - | good | 10 | 0.6 sec  |
| 204005 | 600 | 660 | 4 | - | good | 10 | 0.7 sec – wall background at end |
| 204006 | 600 | 660 | 4 | - | great | 10 | 0.9 sec  |
| 204007 | 600 | 660 | 3 | - | good | 10 | 0.7 sec  |
| 204008 | 600 | 660 | 4 | - | good | 10 | 0.7 sec  |
| 204009 | 600 | 660 | 4 | - | poor | 10 | 0.2 sec – wall background |
| 204010 | 600 | 660 | 4 | - | good | 10 | 0.6 sec  |
| 204011 | 600 | 660 | 5 | - | good | 10 | 0.7 sec – narrow H-mode |
|  |  |  |  |  |  |  |  |
| 204046 | 600 | 660 | 0 | - | good | 10 | 0.4 sec – good wall background |
| 204047 | 600 | 660 | 0 | - | good | 10 | 0.5 sec – good wall background |
| 204048 | 600 | 660 | 0 | - | good | 10 | 0.4 sec  |
|  |  |  |  |  |  |  |  |
| shot | I | B | NBI  | puff | quality | µs | comments |
| 204072 | 600 | 660 | 0 | - | good | 10 | 1.3sec  |
| 204073 | 600 | 660 | 0 | - | good | 10 | 0.9 sec  |
| 204076 | 600 | 660 | 0 | - | good | 10 | 1.2 sec  |
| 204077 | 600 | 660 | 0 | - | good | 10 | 1.1 sec  |
| 204078 | 600 | 660 | 0 | - | good | 10 | 0.9 sec  |
| 204079 | 600 | 660 | 0 | - | good | 10 | 1.1 sec  |
| 204080 | 600 | 660 | 0 | - | poor | 10 | 0.3 sec  |
| 204081 | 600 | 660 | 0 | - | good | 10 | 1.3 sec  |
| 204082 | 600 | 660 | 0 | - | good | 10 | 2.0 sec  |
| 204083 | 600 | 660 | 0 | - | good | 10 | 2.0 sec  |
| 204084 | 600 | 660 | 0 | - | good | 10 | 2.0 sec  |
| 204085 | 700 | 660 | 1 | - | fair | 10 | 1.3 sec  |
| 204086 | 700 | 660 | 1 | - | fair | 10 | 0.8 sec  |
| 204087 | 700 | 660 | 1 | - | fair | 10 | 1.3 sec  |
| 204088 | 700 | 660 | 1 | - | fair | 10 | 1.3 sec  |
| 204089 | 700 | 660 | 1 | - | fair | 10 | 1.3 sec  |
| 204090 | 700 | 660 | 1 | - | fair | 10 | 1.2 sec  |
| 204091 | 700 | 660 | 1 | - | fair | 10 | 1.2 sec  |
| 204092 | 700 | 660 | 0 | - | good | 10 | 1.3 sec  |
| 204101 | 600 | 660 | 4 | - | great | 10 | 0.6 sec  |
| 204003 | 600 | 660 | 6 | - | poor | 10 | 0.3sec - good wall background |
| 204104 | 600 | 660 | 4 | - | good | 10 | 0.6 sec  |
| 204105 | 600 | 660 | 4 | - | good | 10 | 0.7 sec  |
| 204106 | 600 | 660 | 4 | - | great | 10 | 1.0 sec  |
| 204007 | 900 | 660 | 6 | - | fair | 10 | 0.7 sec  |
| 204108 | 900 | 660 | 6 | - | fair | 10 | 0.7 sec  |
| 204110 | 900 | 660 | 6 | - | fair | 10 | 0.4 sec  |
| 204111 | 900 | 660 | 4 | - | good | 10 | 1.0 sec  |
| 204112 | 900 | 660 | 6 | - | good | 10 | 1.0 sec  |
| 204113 | 800 | 660 | 4 | - | fair | 10 | 0.3 sec  |
| 204114 | 800 | 660 | 4 | - | fair | 10 | 0.3 sec  |
| 204115 | 800 | 660 | 4 | - | fair | 10 | 0.3 sec  |
| 204116 | 800 | 660 | 4 | - | fair | 10 | 0.3 sec  |
| 204117 | 900 | 660 | 6 | - | great | 10 | 1.0 sec  |
| 204118 | 1000 | 660 | 6 | - | great | 10 | 1.3 sec  |
| 204128 | 800 | 660 | 6 | - | fair | 10 | 0.3 sec  |
| 204129 | 800 | 660 | 6 | - | fair | 10 | 0.3 sec  |
| 204130 | 800 | 660 | 5 | - | fair | 10 | 0.3 sec  |
| 204131 | 800 | 660 | 6 | - | fair | 10 | 0.3 sec  |
| 204132 | 800 | 660 | 6 | - | fair | 10 | 0.3 sec  |
| 204133 | 800 | 660 | 6 | - | fair | 10 | 0.3 sec  |
| 204134 | 800 | 660 | 6 | - | fair | 10 | 0.3 sec  |
| 204135 | 800 | 660 | 4 | - | fair | 10 | 0.3 sec  |
| 204136 | 800 | 660 | 4 | - | fair | 10 | 0.3 sec  |
| shot | I | B | NBI  | puff | quality | µs | comments |
| 204138 | 800 | 660 | 4 | - | poor | 10 | 0.3 sec  |
| 204139 | 650 | 660 | 4 | - | poor | 10 | 0.3 sec  |
| 204147 | 650 | 660 | 0 | - | fair | 10 | 1.5 sec – noise in camera |
| 204148 | 650 | 660 | 0 | - | fair | 10 | 1.5 sec – noise in camera |
| 204152 | 650 | 660 | 0 | - | fair | 10 | 0.6 sec – noise in camera |
| 204153 | 650 | 660 | 0 | - | fair | 10 | 1.5 sec – noise in camera |
| 204154 | 650 | 660 | 0 | - | fair | 10 | 1.5 sec – noise in camera |
| 204155 | 650 | 660 | 0 | - | fair | 10 | 1.5 sec – noise in camera |
|  |  |  |  |  |  |  |  |
| 204292 | 600 | 660 | 0 | - | poor | 10 | Helium scan – almost no signal on this and shots after |
|  |  |  |  |  |  |  |  |
| 204500 | 640 | 660 | 1.1 | - | good | 10  | Mostly H-mode with H-L transition like ELMs |
| 204501 | 800 | 660 | 1.1 | - | good | 10  | 0.5 sec  |
| 204502 | 800 | 660 | 1.1 | - | good | 10  | 1.3 sec  |
| 204502 | 800 | 660 | 1.1 | - | good | 10  | 1.5 sec  |
| 204503 | 800 | 660 | 1.1 | - | good | 10  | 0.8 sec – seems mostly L-mode |
| 204504 | 800 | 660 | 1.1 | - | good | 10  | 0.8 sec – mostly H-mode |
| 204505 | 800 | 660 | 1.1 | - | good | 10  | 1.3 sec – seems L and H-mode |
| 204506 | 800 | 660 | 1.1 | - | good | 10  | 1.3 sec – seems L and H-mode |
| 204507 | 800 | 660 | 1.1 | - | good | 10  | 1.3 sec – mostly L-mode |
| 204508 | 800 | 660 | 1.1 | - | good | 10  | 1.5 sec – mostly L-mode |
| 204509 | 800 | 660 | < 2.5 | - | great | 10  | 1.5 sec – mostly L-mode, high NBI at end |
| 204510 | 800 | 660 | < 2.5 | - | great | 10  | 1.5 sec – mostly L-mode, high NBI at end |
| 204511 | 800 | 660 | < 2.9 | - | great | 10  | 1.5 sec – mostly L-mode, high NBI at end |
| 204512 | 800 | 660 | < 4 | - | great | 10  | 1.2 sec – disruption at end |
| 204513 | 800 | 660 | < 3.5 | - | great | 10  | 1.3 sec – L-H transition at 0.603 or so |
| 204514 | 800 | 660 | < 3.5 | - | great | 10  | 0.9 sec – seems mostly L-mode – L-H @651 w/MHD |
| 204515 | 800 | 660 | < 3.5 | - | great | 10  | 0.7 sec – seems mostly L-mode |
|  |  |  |  |  |  |  |  |
| 204531 | 900 | 660 | 0 | - | fair | 10  | 0.7 sec  |
| 204532 | 900 | 660 | 0 | - | poor | 10  | 0.3 sec – unstable to 204546 |
| 204549 | 800 | 660 | <3.5 | - | good | 10  | 1.0 sec - mostly L-mode |
| 204550 | 800 | 660 | <3.5 | - | good | 10  | 1.3 sec - mostly L-mode |
| 204551 | 800 | 660 | <3.5 | - | good | 10  | 1.4 sec - mostly L-mode |
| 204552 | 800 | 660 | <3.5 | - | good | 10  | didn't trigger right –no signal |
| 204554 | 900 | 660 | 1.0 | - | good | 10  | 0.9 sec - mostly L-mode |
| 204555 | 900 | 660 | <3.5 | - | good | 10  | 1.0 sec - mostly L-mode  |
| 204556 | 900 | 660 | <3.5 | - | great | 10  | 1.0 sec - mostly L-mode, short L-H at 910 |
|  |  |  |  |  |  |  |  |
| 5/9/15 |  |  |  |  |  |  |  |
| 204573 | 800 | 700 |  |  | fair | 10 | 0.8 sec - dim |
| 204574 | 800 | 700 |  |  | fair | 10 | 0.8 sec - dim |
| 204575 | 800 | 700 |  |  | fair | 10 | 0.8 sec - dim |
| 204576 | 800 | 700 |  |  | fair | 10 | 0.8 sec - dim |
| shot | I | B | NBI  | puff | quality | µs | comments |
| 204577 | 800 | 700 |  |  | fair | 10 | 0.8 sec - dim |
| 204578 | 800 | 700 |  |  | fair | 10 | 0.8 sec - dim |
| 204579 | 800 | 700 |  |  | fair | 10 | 0.8 sec - dim |
| 204582 | 800 | 700 |  |  | fair | 10 | 0.8 sec - dim |
| 204583 | 800 | 700 |  |  | fair | 10 | 0.8 sec - dim |
| 204588 | 800 | 660 | 6.5 |  | fair | 10 | 0.3 sec - dim |
| 204589 | 800 | 660 | 4 |  | fair | 10 | 0.3 sec - dim |
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| 5/10/15 |  |  |  |  |  |  |  |
| 204600 | 600 | 660 | 0 |  | fair | 10 | Fiducial attempt |
| 204601 | 600 | 660 | 1.0 |  | good | 10 | Fiducial  |
| 204602 | 600 | 660 | 1.0 |  | good | 10 | Fiducial  |
| 204616 | 600 | 660 | <6 |  | fair | 10 | 0.3 sec shot |
| to |  |  |  |  |  |  |  |
| 204629 | 600 | 660 | <6 |  | fair | 10 | 0.3 sec shot |
|  |  |  |  |  |  |  |  |
| 5/11/15 |  |  |  |  |  |  |  |
| 204636 | 600 | 660 | <6 |  | fair | 10 | 0.3 sec shot |
| 204637 | 600 | 660 | <6 |  | fair | 10 | 0.3 sec shot |
| 204638 | 600 | 660 | <6 |  | fair | 10 | 0.3 sec shot – plasma up at 0.356 ? |
| to |  |  |  |  |  |  |  |
| 204647 | 600 | 660 | <6 |  | fair | 10 | 0.3-0.5 sec shots with NBI, but weak signal |
| 204648 | 600 | 660 | 1 |  | good | 10 | Looks like fiducial |
| to |  |  |  |  |  |  |  |
| 204659 | 600 | 660 | 1 |  | good | 10 | More fiducials  |
| 204660 | 600 | 660 | 1 |  | fair | 10 | 0.3 sec shot – L-H @ 0.644 |
|  |  |  |  |  |  |  |  |
| 5/12/16 |  |  |  |  |  |  |  |
| 204665 | 600 | 660 | 1.0 |  | good | 10 | Fiducial  |
| 204666 | 600 | 660 | <6 |  | fair | 10 | Short but high NBI - dim |
| to |  |  |  |  |  |  |  |
| 204681 | 600 | 600 | <6 |  | fair | 10 | Short but high NBI - dim |
| 204682 | 700 | 660 | 1.0 |  | good | 10 | Like Fiducial - L-H at 668 |
|  |  |  |  |  |  |  |  |
| 5/13/16 |  |  |  |  |  |  |  |
| 204690 | 600 | 660 | 1.5 |  | good | 10 | Like fiducial  |
| to |  |  |  |  |  |  |  |
| 204708 |  |  |  |  |  |  | Short shots and dim |
| 204709 | 800 | 660 | 1.0 |  | good | 10 | Like Fiducial CAMERA SPOTS - L-H at 591 |
| 204710 | 800 | 660 | 1.0 |  | good | 10 | Like Fiducial CAMERA SPOTS - L-H at 498 |
| 204713 | 800 | 660 | 1.0 |  | great | 10 | Like Fiducial - L-H at 631 |
| 204714 | 800 | 660 | 1.0 |  | great | 10 | Like Fiducial - L-H at 707 |
| 204715 | 800 | 660 | 1.0 |  | great | 10 | Like Fiducial - H-L at 561 |
| 204716 | 800 | 660 | 1.0 |  | great | 10 | Like Fiducial -L-H at 592 |
| shot | I | B | NBI  | puff | quality | µs | comments |
| 204717 | 800 | 660 | 1.0 |  | great | 10 | Like Fiducial - L-H at 633 |
| 204718 | 800 | 660 | 1.0 |  | great | 10 | Like Fiducial - several L-H at 550-650 |
| 204719 | 800 | 660 | 1.0 |  | great | 10 | Like Fiducial  |
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