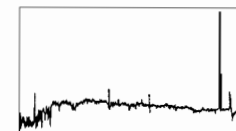
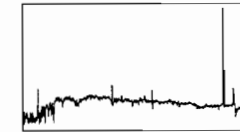
UT Date 2004-01-18 Observers WestoverColl. Focus 1020 Grating/Grism 300

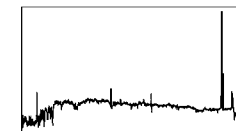
| File           | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bir | Comments           |
|----------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------------|
| 0001-0010.BIAS | 0        | 23:51    | 00:14:35.2 | +31:28:29 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |                    |
| 0011-0020.FLAT | 8        | 23:55    | 00:18:06.6 | +31:28:29 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |                    |
| 0021-0030.BIAS | 0        | 23:57    | 00:20:20.0 | +31:28:29 | 300 | 90   | 3.0  | #68 2MASS Reds | 2   |                    |
| 0031-0040.FLAT | 16       | 0:03     | 00:26:22.5 | +31:28:29 | 300 | 90   | 3.0  | #68 2MASS Reds | 2   |                    |
| 0041.sky       | 2        | 1:08     | 01:30:00   | +31:28:32 | 300 | 90   | 3.0  | #57 Velocity S | 2   | faint              |
| 0042.COMP      | 10       | 1:09     | 01:30:00   | +31:28:32 | 300 | 90   | 3.0  | #57 Velocity S | 2   |                    |
| 0043.sky       | 20       | 1:10     | 01:30:00   | +31:28:32 | 300 | 90   | 3.0  | #57 Velocity S | 4   |                    |
| 0044.COMP      | 5        | 1:11     | 01:30:00   | +31:28:32 | 300 | 90   | 3.0  | #57 Velocity S | 4   |                    |
| 0045.sky       | 20       | 1:11     | 01:30:00   | +31:28:32 | 300 | 90   | 3.0  | #57 Velocity S | 4   |                    |
| 0046-0048.sky  | 30       | 1:13     | 01:30:00   | +31:28:32 | 300 | 90   | 3.0  | #57 Velocity S | 4   |                    |
| 0049.FLAT      | 8        | 1:26     | 01:49:52.4 | +31:28:34 | 300 | 90   | 3.0  | #57 Velocity S | 4   | had to restart RTS |
| 0050-0052.FLAT | 8        | 1:27     | 01:50:39.3 | +31:28:34 | 300 | 90   | 3.0  | #57 Velocity S | 4   |                    |
| 0053-0056.FLAT | 8        | 1:28     | 01:51:36.1 | +31:28:35 | 300 | 90   | 3.0  | #57 Velocity S | 4   |                    |
| 0057.COMP.ms   | 5        | 1:10     | 2:10:00    | 32:00:00  | 300 | 90   | 3.0  | #57 Velocity S | 4   |                    |
| 0057-0058.FLAT | 8        | 1:29     | 01:52:06.0 | +31:28:35 | 300 | 90   | 3.0  | #57 Velocity S | 4   |                    |
| 0059-0068.FLAT | 8        | 1:33     | 01:56:07.7 | +31:28:35 | 300 | 90   | 3.0  | #57 Velocity S | 2   | should be 16 sec   |
| 0069.COMP      | 10       | 1:34     | 01:57:25.1 | +31:28:35 | 300 | 90   | 3.0  | #57 Velocity S | 2   |                    |
| 0070-0089.BIAS | 0        | 1:42     | 02:01:45.4 | +31:28:36 | 300 | 90   | 3.0  | #57 Velocity S | 2   |                    |
| 0090.HD19445   | 2        | 1:47     | 03:08:25.6 | 26:19:51  | 300 | 90   | 3.0  | #56 Spectropho | 2   | not at PA          |
| 0091.COMP      | 10       | 1:48     | 03:08:25.6 | 26:19:51  | 300 | 90   | 3.0  | #56 Spectropho | 2   |                    |

UT Date 2004-01-18 Observers WestoverColl. Focus 1020 Grating/Grism 300

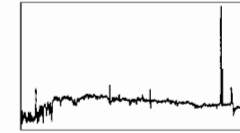
| File                     | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bir | Comments    |
|--------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|-------------|
| 0092.HD19445             | 20       | 1:49     | 03:08:25.6 | 26:19:51  | 300 | 90   | 3.0  | #56 Spectropho | 2   | not at PA   |
| 0093.COMP                | 10       | 1:50     | 03:08:25.6 | 26:19:51  | 300 | 90   | 3.0  | #56 Spectropho | 2   |             |
| 0094.ZAnd                | 1        | 1:55     | 23:33:40   | 48:49:06  | 300 | 90   | 3.0  | #12 Symbiotic  | 4   | poor seeing |
| 0095.COMP                | 5        | 1:56     | 23:33:40   | 48:49:06  | 300 | 90   | 3.0  | #12 Symbiotic  | 4   |             |
| 0096.ZAnd                | 2        | 1:56     | 23:33:40   | 48:49:06  | 300 | 90   | 3.0  | #12 Symbiotic  | 4   |             |
| 0097.COMP                | 5        | 1:57     | 23:33:40   | 48:49:06  | 300 | 90   | 3.0  | #12 Symbiotic  | 4   |             |
| 0098.ZAnd                | 5        | 1:58     | 23:33:40   | 48:49:06  | 300 | 90   | 3.0  | #12 Symbiotic  | 4   |             |
| 0099.ZAnd                | 30       | 1:58     | 23:33:40   | 48:49:06  | 300 | 90   | 3.0  | #12 Symbiotic  | 4   |             |
| 0100.COMP                | 5        | 1:59     | 23:33:40   | 48:49:06  | 300 | 90   | 3.0  | #12 Symbiotic  | 4   |             |
| 0101.RAqr                | 1        | 2:02     | 23:43:49   | -15:17:05 | 300 | 90   | 3.0  | #12 Symbiotic  | 4   |             |
| 0102.RAqr                | 5        | 2:02     | 23:43:49   | -15:17:05 | 300 | 90   | 3.0  | #12 Symbiotic  | 4   |             |
| 0103.RAqr                | 30       | 2:02     | 23:43:49   | -15:17:05 | 300 | 90   | 3.0  | #12 Symbiotic  | 4   |             |
| 0104.COMP                | 5        | 2:03     | 23:43:49   | -15:17:05 | 300 | 90   | 3.0  | #12 Symbiotic  | 4   |             |
| 0105.RAqr                | 150      | 2:04     | 23:43:49   | -15:17:05 | 300 | 90   | 3.0  | #12 Symbiotic  | 4   |             |
| 0106.COMP                | 5        | 2:08     | 23:43:49   | -15:17:05 | 300 | 90   | 3.0  | #12 Symbiotic  | 4   |             |
| 0107.MRK335              | 150      | 2:15     | 00:06:19.6 | +20:12:11 | 300 | 64   | 3.0  | #6 AGN Monitor | 4   |             |
| 0108.MRK335              | 150      | 2:17     | 00:06:19.6 | +20:12:11 | 300 | 64   | 3.0  | #6 AGN Monitor | 4   |             |
| 0109.COMP                | 5        | 2:20     | 00:06:19.6 | +20:12:11 | 300 | 64   | 3.0  | #6 AGN Monitor | 4   |             |
| 0110.2MJ05002608+5137377 | 1200     | 2:32     | 05:00:26.0 | +51:37:37 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |             |
| 0111.COMP                | 5        | 2:52     | 05:00:26.0 | +51:37:37 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |             |

UT Date 2004-01-18 Observers WestoverColl. Focus 1020 Grating/Grism 300

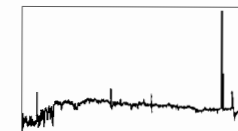
| File                     | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments                       |
|--------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|--------------------------------|
| 0112.HD19445             | 20       | 2:58     | 03:08:25.6 | 26:19:51  | 300 | 30   | 3.0  | #56 Spectropho | 2   |                                |
| 0113.COMP                | 10       | 2:58     | 03:08:25.6 | 26:19:51  | 300 | 30   | 3.0  | #56 Spectropho | 2   |                                |
| 0114.2MJ05053748+3230575 | 1200     | 3:04     | 05:05:37.4 | +32:30:57 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |                                |
| 0115.COMP                | 5        | 3:25     | 05:05:37.4 | +32:30:57 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |                                |
| 0116.2MJ05061300-0024352 | 750      | 3:36     | 05:06:13.0 | -00:24:35 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |                                |
| 0117.COMP                | 5        | 3:48     | 05:06:13.0 | -00:24:35 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |                                |
| 0118.2MJ05170834+1237462 | 600      | 3:52     | 05:17:08.3 | +12:37:46 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   | Foreground *; may be able to c |
| 0119.COMP                | 5        | 4:02     | 05:17:08.3 | +12:37:46 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   | set @ drift rot angle          |
| 0120.2MJ05133527+1125120 | 1200     | 4:07     | 05:13:35.2 | +11:25:12 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |                                |
| 0121.COMP                | 5        | 4:28     | 05:13:35.2 | +11:25:12 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |                                |
| 0122.2MJ05192867+5141075 | 1200     | 4:35     | 05:19:28.6 | +51:41:07 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |                                |
| 0123.COMP                | 5        | 4:55     | 05:19:28.6 | +51:41:07 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |                                |
| 0124.035124p15470.b      | 600      | 4:59     | 3:54:16.1  | 15:55:48  | 300 | 90   | 3.0  | #113 Interacti | 2   | row=79                         |
| 0125.COMP                | 10       | 5:09     | 3:54:16.1  | 15:55:48  | 300 | 90   | 3.0  | #113 Interacti | 2   |                                |
| 0126.2MJ05192713+1426368 | 1200     | 5:21     | 05:19:27.1 | +14:26:36 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |                                |
| 0127.COMP                | 5        | 5:41     | 05:19:27.1 | +14:26:36 | 300 | 90   | 3.0  | #68 2MASS Reds | 4   |                                |
| 0128.sn2003kf            | 1200     | 5:46     | 06:04:35.4 | -12:37:42 | 300 | 4    | 3.0  | #2 SN Observat | 2   |                                |
| 0129.COMP                | 10       | 6:07     | 06:04:35.4 | -12:37:42 | 300 | 4    | 3.0  | #2 SN Observat | 2   |                                |
| 0130.vso-66355           | 600      | 6:12     | 05:24:58.7 | +01:04:01 | 300 | 0    | 3.0  | #112 Orion PMS | 4   |                                |
| 0131.COMP                | 5        | 6:23     | 05:24:58.7 | +01:04:01 | 300 | 0    | 3.0  | #112 Orion PMS | 4   |                                |

UT Date 2004-01-18 Observers WestoverColl. Focus 1020 Grating/Grism 300

| File                   | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments               |
|------------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|------------------------|
| 0132.Hiltner600        | 60       | 6:58     | 06:42:37.2 | 02:11:25  | 300 | 16   | 3.0  | #56 Spectropho | 2   | restarted RTS again    |
| 0133.Hiltner600        | 60       | 7:00     | 06:42:37.2 | 02:11:25  | 0   | 16   | 16.0 | none           | 2   |                        |
| 0134.COMP              | 10       | 7:01     | 06:42:37.2 | 02:11:25  | 300 | 16   | 3.0  | #56 Spectropho | 2   |                        |
| 0135.AGK2p14783        | 2        | 7:04     | 07:17:47   | +14:59:38 | 300 | 90   | 3.0  | #57 Velocity S | 2   |                        |
| 0136.AGK2p14783        | 10       | 7:05     | 07:17:47   | +14:59:38 | 300 | 90   | 3.0  | #57 Velocity S | 2   |                        |
| 0137.COMP              | 10       | 7:06     | 07:17:47   | +14:59:38 | 300 | 90   | 3.0  | #57 Velocity S | 2   |                        |
| 0138.2MO65913.8p061431 | 900      | 7:12     | 06:59:13.8 | +06:14:31 | 300 | 95   | 3.0  | #68 2MASS Reds | 4   |                        |
| 0139.COMP              | 5        | 7:28     | 06:59:13.8 | +06:14:31 | 300 | 95   | 3.0  | #68 2MASS Reds | 4   |                        |
| 0140.075742p27380_c    | 900      | 7:33     | 8:0:41.6   | 27:28:22  | 300 | 43   | 3.0  | #113 Interacti | 2   |                        |
| 0141.COMP              | 10       | 7:49     | 8:0:41.6   | 27:28:22  | 300 | 43   | 3.0  | #113 Interacti | 2   |                        |
| 0142.080418p08090_c    | 1200     | 7:53     | 8:7:0.8    | 8:2:10    | 300 | 90   | 3.0  | #113 Interacti | 2   |                        |
| 0143.COMP              | 10       | 8:13     | 8:7:0.8    | 8:2:10    | 300 | 90   | 3.0  | #113 Interacti | 2   |                        |
| 0144.080418p08090.b    | 1200     | 8:18     | 8:6:52.9   | 8:0:6     | 300 | -12  | 3.0  | #113 Interacti | 2   | N=88, S=58 N is a star |
| 0145.COMP              | 10       | 8:38     | 8:6:52.9   | 8:0:6     | 300 | -12  | 3.0  | #113 Interacti | 2   |                        |
| 0146.MRK110            | 360      | 8:48     | 09:25:12.9 | +52:17:10 | 300 | 7    | 3.0  | #6 AGN Monitor | 4   |                        |
| 0147.COMP              | 5        | 8:54     | 09:25:12.9 | +52:17:10 | 300 | 7    | 3.0  | #6 AGN Monitor | 4   |                        |
| 0148.085724p17360.b    | 1200     | 9:00     | 9:0:18.9   | 17:22:44  | 300 | 71   | 3.0  | #113 Interacti | 2   |                        |
| 0149.COMP              | 10       | 9:21     | 9:0:18.9   | 17:22:44  | 300 | 71   | 3.0  | #113 Interacti | 2   |                        |
| 0150.HD84937           | 30       | 9:24     | 09:48:56.1 | 13:44:39  | 300 | 1    | 3.0  | #56 Spectropho | 2   |                        |
| 0151.HD84937           | 30       | 9:25     | 09:48:56.1 | 13:44:39  | 300 | 1    | 3.0  | #56 Spectropho | 2   |                        |

UT Date 2004-01-18 Observers WestoverColl. Focus 1020 Grating/Grism 300

| File                | Exp Time | UT Start | RA         | Dec       | Gr. | P.A. | Slit | Program        | Bin | Comments |
|---------------------|----------|----------|------------|-----------|-----|------|------|----------------|-----|----------|
| 0152.COMP           | 10       | 9:25     | 09:48:56.1 | 13:44:39  | 300 | 1    | 3.0  | #56 Spectropho | 2   |          |
| 0153.101724p28050_b | 1200     | 9:32     | 10:20:21.6 | 27:47:38  | 300 | 90   | 3.0  | #113 Interacti | 2   |          |
| 0154.COMP           | 10       | 9:53     | 10:20:21.6 | 27:47:38  | 300 | 90   | 3.0  | #113 Interacti | 2   |          |
| 0155.N3227          | 30       | 9:58     | 10:23:30.6 | +19:51:54 | 300 | -1   | 3.0  | #6 AGN Monitor | 4   |          |
| 0156.N3227          | 30       | 9:58     | 10:23:30.6 | +19:51:54 | 300 | -1   | 3.0  | #6 AGN Monitor | 4   |          |
| 0157.COMP           | 5        | 9:59     | 10:23:30.6 | +19:51:54 | 300 | -1   | 3.0  | #6 AGN Monitor | 4   |          |
| 0158.Feige34        | 120      | 10:05    | 10:36:41.2 | 43:21:50  | 300 | 10   | 3.0  | #56 Spectropho | 2   |          |
| 0159.Feige34        | 120      | 10:08    | 10:36:41.2 | 43:21:50  | 300 | 10   | 3.0  | #56 Spectropho | 2   |          |
| 0160.COMP           | 10       | 10:10    | 10:36:41.2 | 43:21:50  | 300 | 10   | 3.0  | #56 Spectropho | 2   |          |
| 0161.N3227          | 150      | 10:15    | 10:23:30.6 | +19:51:54 | 300 | 17   | 3.0  | #6 AGN Monitor | 4   |          |
| 0162.N3227          | 150      | 10:17    | 10:23:30.6 | +19:51:54 | 300 | 17   | 3.0  | #6 AGN Monitor | 4   |          |
| 0163.COMP           | 5        | 10:20    | 10:23:30.6 | +19:51:54 | 300 | 17   | 3.0  | #6 AGN Monitor | 4   |          |
| 0164.sn2004C        | 1200     | 10:29    | 11:27:29.7 | +56:52:48 | 300 | 15   | 3.0  | #2 SN Observat | 2   |          |
| 0165.COMP           | 10       | 10:49    | 11:27:29.7 | +56:52:48 | 300 | 15   | 3.0  | #2 SN Observat | 2   |          |
| 0166.cairnsk3_018   | 900      | 10:55    | 12:50:37   | 27:28:58  | 300 | 90   | 3.0  | #64f Cluster I | 2   | row=78   |
| 0167.COMP           | 10       | 11:10    | 12:50:37   | 27:28:58  | 300 | 90   | 3.0  | #64f Cluster I | 2   |          |
| 0168.cairnsk3_020   | 1200     | 11:14    | 13:17:31.6 | 30:53:57  | 300 | 90   | 3.0  | #64f Cluster I | 2   |          |
| 0169.COMP           | 10       | 11:34    | 13:17:31.6 | 30:53:57  | 300 | 90   | 3.0  | #64f Cluster I | 2   |          |
| 0170.N4051          | 150      | 11:38    | 12:03:09.7 | +44:31:53 | 300 | 0    | 3.0  | #6 AGN Monitor | 4   |          |
| 0171.N4051          | 150      | 11:41    | 12:03:09.7 | +44:31:53 | 300 | 0    | 3.0  | #6 AGN Monitor | 4   |          |

UT Date 2004-01-18 Observers WestoverColl. Focus 1020 Grating/Grism 300

| <i>File</i>       | <i>Exp Time</i> | <i>UT Start</i> | <i>RA</i>  | <i>Dec</i> | <i>Gr.</i> | <i>P.A.</i> | <i>Slit</i> | <i>Program</i> | <i>Bir</i> | <i>Comments</i> |
|-------------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0172.N4051        | 150             | 11:43           | 12:03:09.7 | +44:31:53  | 300        | 0           | 3.0         | #6 AGN Monitor | 4          |                 |
| 0173.COMP         | 5               | 11:46           | 12:03:09.7 | +44:31:53  | 300        | 0           | 3.0         | #6 AGN Monitor | 4          |                 |
| 0174.N4151        | 30              | 11:51           | 12:10:32.6 | +39:24:21  | 300        | -10         | 3.0         | #6 AGN Monitor | 4          |                 |
| 0175.N4151        | 30              | 11:51           | 12:10:32.6 | +39:24:21  | 300        | -10         | 3.0         | #6 AGN Monitor | 4          |                 |
| 0176.COMP         | 5               | 11:52           | 12:10:32.6 | +39:24:21  | 300        | -10         | 3.0         | #6 AGN Monitor | 4          |                 |
| 0177.cairnsk3_019 | 1200            | 11:58           | 13:24:25.1 | 30:31:45   | 300        | 90          | 3.0         | #64f Cluster I | 2          |                 |
| 0178.COMP         | 10              | 12:19           | 13:24:25.1 | 30:31:45   | 300        | 90          | 3.0         | #64f Cluster I | 2          |                 |
| 0179.cairnsk3_021 | 900             | 12:20           | 12:35:33.4 | 28:41:11   | 300        | 90          | 3.0         | #64f Cluster I | 2          |                 |
| 0180.COMP         | 10              | 12:36           | 12:35:33.4 | 28:41:11   | 300        | 90          | 3.0         | #64f Cluster I | 2          |                 |
| 0181.cairnsk3_022 | 900             | 12:38           | 12:36:3.3  | 26:59:14   | 300        | 90          | 3.0         | #64f Cluster I | 2          |                 |
| 0182.COMP         | 10              | 12:53           | 12:36:3.3  | 26:59:14   | 300        | 90          | 3.0         | #64f Cluster I | 2          |                 |
| 0183.cairnsk3_023 | 750             | 12:55           | 12:36:56.5 | 25:41:30   | 300        | 90          | 3.0         | #64f Cluster I | 2          |                 |
| 0184.COMP         | 10              | 13:08           | 12:36:56.5 | 25:41:30   | 300        | 90          | 3.0         | #64f Cluster I | 2          |                 |
| 0185.MRK279       | 120             | 13:13           | 13:51:53.6 | 69:33:13   | 300        | 4           | 3.0         | #6 AGN Monitor | 4          |                 |
| 0186.MRK279       | 120             | 13:15           | 13:51:53.6 | 69:33:13   | 300        | 4           | 3.0         | #6 AGN Monitor | 4          |                 |
| 0187.COMP         | 5               | 13:17           | 13:51:53.6 | 69:33:13   | 300        | 4           | 3.0         | #6 AGN Monitor | 4          |                 |
| 0188.N4853        | 30              | 13:24           | 12:58:35.1 | +27:35:47  | 300        | 67          | 3.0         | #57 Velocity S | 2          | getting bright  |
| 0189.N4853        | 100             | 13:25           | 12:58:35.1 | +27:35:47  | 300        | 67          | 3.0         | #57 Velocity S | 2          |                 |
| 0190.N4853        | 180             | 13:27           | 12:58:35.1 | +27:35:47  | 300        | 67          | 3.0         | #57 Velocity S | 2          |                 |
| 0191.COMP         | 10              | 13:31           | 12:58:35.1 | +27:35:47  | 300        | 67          | 3.0         | #57 Velocity S | 2          |                 |

UT Date 2004-01-18 Observers WestoverColl. Focus 1020 Grating/Grism 300

| <i>File</i>    | <i>Exp Time</i> | <i>UT Start</i> | <i>RA</i>  | <i>Dec</i> | <i>Gr.</i> | <i>P.A.</i> | <i>Slit</i> | <i>Program</i> | <i>Bin</i> | <i>Comments</i> |
|----------------|-----------------|-----------------|------------|------------|------------|-------------|-------------|----------------|------------|-----------------|
| 0192-0201.BIAS | 0               | 13:38           | 12:58:35.1 | +27:35:47  | 300        | 90          | 3.0         | #64f Cluster I | 4          |                 |
| 0202-0211.FLAT | 8               | 13:42           | 12:58:35.1 | +27:35:47  | 300        | 90          | 3.0         | #64f Cluster I | 4          |                 |
| 0212-0221.BIAS | 0               | 13:44           | 12:58:35.1 | +27:35:47  | 300        | 90          | 3.0         | #64f Cluster I | 2          |                 |
| 0222-0231.FLAT | 16              | 13:50           | 12:58:35.1 | +27:35:47  | 300        | 90          | 3.0         | #64f Cluster I | 2          |                 |
| 0232-0241.DARK | 900             | 16:19           | 12:58:35.1 | +27:35:47  | 300        | 90          | 3.0         | #64f Cluster I | 4          |                 |
| 0242-0250.DARK | 900             | 18:36           | 12:58:35.1 | +27:35:47  | 300        | 90          | 3.0         | #64f Cluster I | 2          |                 |