

# Observing Schedule of the 188 cm Telescope, OAO, NAOJ

January – June, 2011

|   | Date          | Instr. | Observers / <Misc.>                 | Title                                                                                         |
|---|---------------|--------|-------------------------------------|-----------------------------------------------------------------------------------------------|
| ● | 1. 1 – 1. 3   |        | < Telescope Closed >                |                                                                                               |
|   | 1. 4 – 1. 8   | HIDES  | Beck, Carrier, Kambe et al.         | Probing the internal angular momentum distribution in red giants from solar-like oscillations |
|   | 1. 4 – 1. 8   | HIDES  | Harakawa, Ida, Hori et al.          | N2Kコンソーシアムによる系外惑星系候補天体のフォローアップ観測                                                              |
|   | 1. 9 – 1. 10  | HIDES  | Sato, Ohnuki, Harakawa et al.       | ヒアデス星団の早期型星における視線速度精密測定                                                                       |
|   | 1. 11         | ISLE   | Narita, Fukui, Suenaga et al.       | Measurements of Transit Timing Variations of HAT-P-13b Caused by HAT-P-13c                    |
|   | 1. 12 – 1. 13 | ISLE   | Hashimoto, Nagao et al.             | Revealing the AGN Feedback in Nearby Seyfert Galaxies                                         |
|   | 1. 14         | ISLE   | Narita, Fukui, Suenaga et al.       | Measurements of Transit Timing Variations of HAT-P-13b Caused by HAT-P-13c                    |
|   | 1. 15 – 1. 16 | ISLE   | Hashimoto, Nagao et al.             | Revealing the AGN Feedback in Nearby Seyfert Galaxies                                         |
|   | 1. 17         | ISLE   | Narita, Fukui, Suenaga et al.       | Measurements of Transit Timing Variations of HAT-P-13b Caused by HAT-P-13c                    |
| ○ | 1. 18 – 1. 22 | HIDES  | Sato, Harakawa, Ohmiya et al.       | 視線速度精密測定によるG型巨星の惑星サーベイ Ⅲ.(p)                                                                  |
|   | 1. 23 – 1. 25 | HIDES  | Ohmiya, Hidai, Sato et al.          | 重い中質量巨星における惑星欠乏領域の惑星探索                                                                        |
|   | 1. 26 – 1. 27 |        | < Observatory Time >                |                                                                                               |
| ● | 1. 28 – 2. 3  | HIDES  | Beck, Carrier, Kambe et al.         | Probing the internal angular momentum distribution in red giants from solar-like oscillations |
|   | 1. 28         | HIDES  | Sato, Harakawa, Ohmiya et al.       | 視線速度精密測定によるG型巨星の惑星サーベイ Ⅲ.(p)                                                                  |
|   | 1. 29 – 2. 3  | HIDES  | Harakawa, Ida, Hori et al.          | N2Kコンソーシアムによる系外惑星系候補天体のフォローアップ観測                                                              |
|   | 2. 4          |        | < Observatory Time >                |                                                                                               |
|   | 2. 5 – 2. 6   | HIDES  | Sato, Ohnuki, Harakawa et al.       | ヒアデス星団の早期型星における視線速度精密測定                                                                       |
|   | 2. 7 – 2. 8   |        | < Observatory Time >                |                                                                                               |
|   | 2. 9          | ISLE   | Narita, Fukui, Suenaga et al.       | Measurements of Transit Timing Variations of HAT-P-13b Caused by HAT-P-13c                    |
|   | 2. 10 – 2. 11 |        | < Observatory Time >                |                                                                                               |
|   | 2. 12         | ISLE   | Narita, Fukui, Suenaga et al.       | Measurements of Transit Timing Variations of HAT-P-13b Caused by HAT-P-13c                    |
|   | 2. 13 – 2. 14 |        | < Observatory Time >                |                                                                                               |
| ○ | 2. 15         | ISLE   | Narita, Fukui, Suenaga et al.       | Measurements of Transit Timing Variations of HAT-P-13b Caused by HAT-P-13c                    |
|   | 2. 16 – 2. 21 | HIDES  | Sato, Harakawa, Ohmiya et al.       | 視線速度精密測定によるG型巨星の惑星サーベイ Ⅲ.(p)                                                                  |
|   | 2. 22 – 2. 26 |        | < Observatory Time >                |                                                                                               |
|   | 2. 26 – 3. 2  | HIDES  | Harakawa, Ida, Hori et al.          | N2Kコンソーシアムによる系外惑星系候補天体のフォローアップ観測                                                              |
|   | 2. 27 – 2. 28 | HIDES  | Sato, Harakawa, Ohmiya et al.       | 視線速度精密測定によるG型巨星の惑星サーベイ Ⅲ.(p)                                                                  |
|   | 3. 1 – 3. 2   |        | < Observatory Time >                |                                                                                               |
| ● | 3. 3 – 3. 4   | HIDES  | Ohmiya, Hidai, Sato et al.          | 重い中質量巨星における惑星欠乏領域の惑星探索                                                                        |
|   | 3. 5          |        | < Open Night for Public >           |                                                                                               |
|   | 3. 6 – 3. 8   | HIDES  | Ohmiya, Hidai, Sato et al.          | 重い中質量巨星における惑星欠乏領域の惑星探索                                                                        |
|   | 3. 9 – 3. 12  | HBS    | Takahashi, Ito                      | 地球照の偏光分光観測                                                                                    |
|   | 3. 13 – 3. 15 |        | < Observatory Time >                |                                                                                               |
| ○ | 3. 16 – 3. 21 | HIDES  | Sato, Harakawa, Ohmiya et al.       | 視線速度精密測定によるG型巨星の惑星サーベイ Ⅲ.(p)                                                                  |
|   | 3. 20 – 3. 21 | HIDES  | Kameda                              | 水星外圏大気と磁気圏活動                                                                                  |
|   | 3. 22         | ISLE   | Narita, Fukui, Suenaga et al.       | Measurements of Transit Timing Variations of HAT-P-13b Caused by HAT-P-13c                    |
|   | 3. 23 – 3. 24 |        | < Observatory Time >                |                                                                                               |
|   | 3. 25         | ISLE   | Narita, Fukui, Suenaga et al.       | Measurements of Transit Timing Variations of HAT-P-13b Caused by HAT-P-13c                    |
|   | 3. 26 – 3. 28 |        | < Observatory Time >                |                                                                                               |
| ● | 3. 29 – 3. 31 | HIDES  | Sato, Harakawa, Ohmiya et al.       | 視線速度精密測定によるG型巨星の惑星サーベイ Ⅲ.(p)                                                                  |
|   | 3. 29 – 4. 2  | HIDES  | Harakawa, Ida, Hori et al.          | N2Kコンソーシアムによる系外惑星系候補天体のフォローアップ観測                                                              |
|   | 4. 1 – 4. 4   |        | < Observatory Time >                |                                                                                               |
|   | 4. 5 – 4. 7   | HIDES  | Ohmiya, Hidai, Sato et al.          | 重い中質量巨星における惑星欠乏領域の惑星探索                                                                        |
|   | 4. 8 – 4. 14  | HIDES  | Sato, Harakawa, Ohmiya et al.       | 視線速度精密測定によるG型巨星の惑星サーベイ Ⅲ.(p)                                                                  |
|   | 4. 15         |        | < Observatory Time >                |                                                                                               |
| ○ | 4. 16 – 4. 19 | HIDES  | Sato, Harakawa, Ohmiya et al.       | 視線速度精密測定によるG型巨星の惑星サーベイ Ⅲ.(p)                                                                  |
|   | 4. 16 – 4. 19 | HIDES  | Harakawa, Ida, Hori et al.          | N2Kコンソーシアムによる系外惑星系候補天体のフォローアップ観測                                                              |
|   | 4. 20 – 4. 21 |        | < Observatory Time >                |                                                                                               |
|   | 4. 22 – 4. 28 | ISLE   | Hashimoto, Nagao et al.             | Revealing the AGN Feedback in Nearby Seyfert Galaxies                                         |
|   | 4. 29         | ISLE   | Narita, Fukui, Suenaga et al.       | Measurements of Transit Timing Variations of HAT-P-13b Caused by HAT-P-13c                    |
| ● | 4. 30 – 5. 1  |        | < Observatory Time >                |                                                                                               |
|   | 5. 2 – 5. 6   | HIDES  | Takeda, Kawanomoto et al.           | スペクトル線輪郭解析に基づくF型星差動自転の研究                                                                      |
|   | 5. 2 – 5. 10  | HIDES  | Kameda                              | 水星外圏大気と磁気圏活動                                                                                  |
|   | 5. 7 – 5. 9   | HIDES  | Ohmiya, Hidai, Sato et al.          | 重い中質量巨星における惑星欠乏領域の惑星探索                                                                        |
|   | 5. 10 – 5. 13 |        | < Observatory Time >                |                                                                                               |
| ○ | 5. 14 – 5. 19 | HIDES  | Sato, Harakawa, Ohmiya et al.       | 視線速度精密測定によるG型巨星の惑星サーベイ Ⅲ.(p)                                                                  |
|   | 5. 14 – 5. 19 | HIDES  | Harakawa, Ida, Hori et al.          | N2Kコンソーシアムによる系外惑星系候補天体のフォローアップ観測                                                              |
|   | 5. 20 – 5. 21 |        | < Observatory Time >                |                                                                                               |
|   | 5. 22 – 5. 26 | ISLE   | Okumura, Takahashi, Tateuchi et al. | 分子雲に埋もれた核崩壊型超新星母天体候補のフォローアップ分光観測                                                              |
| ● | 5. 27 – 5. 29 | KOOLS  | Gandhi, Hagino, T.Sato 他            | Identifying active galactic nuclei in the Kepler field                                        |
|   | 5. 30 – 6. 5  | HIDES  | Sato, Harakawa, Ohmiya et al.       | 視線速度精密測定によるG型巨星の惑星サーベイ Ⅲ.(p)                                                                  |
|   | 6. 6 – 6. 30  |        | < Telescope Maintenance >           |                                                                                               |

○ : Full Moon ● : New Moon

(p) : Project Program

\* Shared observing nights for following dates:

1/4-8(Beck・Harakawa)、1/28(Beck・Sato)、1/29-2/3(Beck・Harakawa)、2/26(Observatory Time・Harakawa)、2/27(Sato・Harakawa)、2/28(Harakawa・Sato)

3/1-2(Harakawa・Observatory Time)、3/29-31(Sato・Harakawa)、4/1-2(Harakawa・Observatory Time)、4/16-19(Sato・Harakawa)、5/14-19(Sato・Harakawa)

※Observations of Dr. Kameda et al. will be made in daytime.