

| Moments                          | Minimal | Spectrum                         | Varobs           |
|----------------------------------|---------|----------------------------------|------------------|
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR$            |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL$           |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT$            |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $y$              |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $c$              |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $R$              |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $\pi$            |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $g$              |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $z$              |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $\zeta$          |
| $\checkmark\checkmark$           | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, INFL$      |
| $\checkmark\checkmark$           | err     | $\checkmark\checkmark$           | $YGR, INT$       |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, y$         |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, c$         |
| $\checkmark\checkmark$           | err     | $\checkmark\checkmark$           | $YGR, R$         |
| $\checkmark\checkmark$           | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, \pi$       |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, g$         |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, z$         |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, \zeta$     |
| $[\psi_y]$                       | err     | $[\psi_y]$                       | $INFL, INT$      |
| $\checkmark$                     | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, y$        |
| $\checkmark$                     | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, c$        |
| $[\psi_y]$                       | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, R$        |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, \pi$      |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, g$        |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, z$        |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, \zeta$    |
| $\checkmark\checkmark$           | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, y$         |
| $\checkmark$                     | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, c$         |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, R$         |
| $[\psi_y]$                       | err     | $[\psi_y]$                       | $INT, \pi$       |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, g$         |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, z$         |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, \zeta$     |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $y, c$           |
| $\checkmark\checkmark$           | err     | $\checkmark\checkmark$           | $y, R$           |
| $\checkmark$                     | err     | $[\psi_\pi\psi_y\sigma_R]$       | $y, \pi$         |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $y, g$           |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $y, z$           |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $y, \zeta$       |
| $\checkmark\checkmark$           | err     | $\checkmark\checkmark$           | $YGR, INFL, INT$ |
| $\checkmark\checkmark$           | err     | $\checkmark\checkmark$           | $YGR, INFL, y$   |
| $\checkmark\checkmark$           | err     | $\checkmark\checkmark$           | $YGR, INFL, c$   |
| $\checkmark\checkmark$           | err     | $\checkmark\checkmark$           | $YGR, INFL, R$   |
| $\checkmark\checkmark$           | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, INFL, \pi$ |
| $\checkmark\checkmark$           | err     | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, INFL, g$   |

|                                  |     |                                  |                    |
|----------------------------------|-----|----------------------------------|--------------------|
| ✓✓                               | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, INFL, z$     |
| ✓✓                               | err | ✓✓                               | $YGR, INFL, \zeta$ |
| ✓✓                               | err | ✓✓                               | $YGR, INT, y$      |
| ✓✓                               | err | ✓✓                               | $YGR, INT, c$      |
| ✓✓                               | err | ✓✓                               | $YGR, INT, R$      |
| ✓✓                               | err | ✓✓                               | $YGR, INT, \pi$    |
| ✓✓                               | err | ✓✓                               | $YGR, INT, g$      |
| ✓✓                               | err | ✓✓                               | $YGR, INT, z$      |
| ✓✓                               | err | ✓✓                               | $YGR, INT, \zeta$  |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, y, c$        |
| ✓✓                               | err | ✓✓                               | $YGR, y, R$        |
| ✓✓                               | err | ✓✓                               | $YGR, y, \pi$      |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, y, g$        |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, y, z$        |
| ✓✓                               | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, y, \zeta$    |
| ✓✓                               | err | ✓✓                               | $YGR, c, R$        |
| ✓✓                               | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, c, \pi$      |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, c, g$        |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, c, z$        |
| ✓✓                               | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, c, \zeta$    |
| ✓✓                               | err | ✓✓                               | $YGR, R, \pi$      |
| ✓✓                               | err | ✓✓                               | $YGR, R, g$        |
| ✓✓                               | err | ✓✓                               | $YGR, R, z$        |
| ✓✓                               | err | ✓✓                               | $YGR, R, \zeta$    |
| ✓✓                               | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, \pi, g$      |
| ✓✓                               | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, \pi, z$      |
| ✓✓                               | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, \pi, \zeta$  |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, g, z$        |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $YGR, g, \zeta$    |
| ✓                                | err | ✓                                | $YGR, z, \zeta$    |
| ✓✓                               | err | ✓✓                               | $INFL, INT, y$     |
| ✓                                | err | ✓                                | $INFL, INT, c$     |
| $[\psi_y]$                       | err | $[\psi_y]$                       | $INFL, INT, R$     |
| $[\psi_y]$                       | err | $[\psi_y]$                       | $INFL, INT, \pi$   |
| $[\psi_y]$                       | err | $[\psi_y]$                       | $INFL, INT, g$     |
| $[\psi_y]$                       | err | $[\psi_y]$                       | $INFL, INT, z$     |
| $[\psi_y]$                       | err | $[\psi_y]$                       | $INFL, INT, \zeta$ |
| ✓                                | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, y, c$       |
| ✓✓                               | err | ✓✓                               | $INFL, y, R$       |
| ✓                                | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, y, \pi$     |
| ✓                                | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, y, g$       |
| ✓✓                               | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, y, z$       |
| ✓                                | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, y, \zeta$   |
| ✓                                | err | ✓                                | $INFL, c, R$       |
| ✓                                | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, c, \pi$     |
| ✓                                | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, c, g$       |
| ✓                                | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, c, z$       |
| ✓                                | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, c, \zeta$   |
| $[\psi_y]$                       | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, R, \pi$     |
| $[\psi_y]$                       | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, R, g$       |
| $[\psi_y]$                       | err | $[\psi_y]$                       | $INFL, R, z$       |
| $[\psi_y]$                       | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, R, \zeta$   |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, \pi, g$     |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, \pi, z$     |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, \pi, \zeta$ |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, g, z$       |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, g, \zeta$   |
| $[\psi_\pi\psi_y\sigma_R]$       | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INFL, z, \zeta$   |
| ✓✓                               | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, y, c$        |
| ✓✓                               | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, y, R$        |
| ✓✓                               | err | ✓✓                               | $INT, y, \pi$      |
| ✓✓                               | err | ✓✓                               | $INT, y, g$        |

|                                  |     |                                  |                   |
|----------------------------------|-----|----------------------------------|-------------------|
| $\checkmark\checkmark$           | err | $\checkmark\checkmark$           | $INT, y, z$       |
| $\checkmark\checkmark$           | err | $\checkmark\checkmark$           | $INT, y, \zeta$   |
| $\checkmark$                     | err | $\checkmark$                     | $INT, c, R$       |
| $\checkmark$                     | err | $\checkmark$                     | $INT, c, \pi$     |
| $\checkmark\checkmark$           | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, c, g$       |
| $\checkmark$                     | err | $\checkmark$                     | $INT, c, z$       |
| $\checkmark$                     | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, c, \zeta$   |
| $[\psi_y]$                       | err | $[\psi_y]$                       | $INT, R, \pi$     |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, R, g$       |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_y]$                       | $INT, R, z$       |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, R, \zeta$   |
| $[\psi_y]$                       | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, \pi, g$     |
| $[\psi_y]$                       | err | $[\psi_y]$                       | $INT, \pi, z$     |
| $[\psi_y]$                       | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, \pi, \zeta$ |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, g, z$       |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, g, \zeta$   |
| $[\psi_y]$                       | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $INT, z, \zeta$   |
| $\checkmark\checkmark$           | err | $\checkmark\checkmark$           | $y, c, R$         |
| $\checkmark$                     | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $y, c, \pi$       |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $y, c, g$         |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $y, c, z$         |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $y, c, \zeta$     |
| $\checkmark\checkmark$           | err | $\checkmark\checkmark$           | $y, R, \pi$       |
| $\checkmark\checkmark$           | err | $\checkmark\checkmark$           | $y, R, g$         |
| $\checkmark\checkmark$           | err | $\checkmark\checkmark$           | $y, R, z$         |
| $\checkmark\checkmark$           | err | $\checkmark\checkmark$           | $y, R, \zeta$     |
| $\checkmark$                     | err | $\checkmark$                     | $y, \pi, g$       |
| $\checkmark$                     | err | $\checkmark$                     | $y, \pi, z$       |
| $\checkmark$                     | err | $\checkmark$                     | $y, \pi, \zeta$   |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $y, g, z$         |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $y, g, \zeta$     |
| $\checkmark$                     | err | $\checkmark$                     | $y, z, \zeta$     |
| $\checkmark$                     | err | $\checkmark$                     | $c, R, \pi$       |
| $\checkmark\checkmark$           | err | $\checkmark\checkmark$           | $c, R, g$         |
| $\checkmark$                     | err | $\checkmark$                     | $c, R, z$         |
| $\checkmark$                     | err | $\checkmark$                     | $c, R, \zeta$     |
| $\checkmark$                     | err | $[\psi_\pi\psi_y\sigma_R]$       | $c, \pi, g$       |
| $\checkmark$                     | err | $\checkmark$                     | $c, \pi, z$       |
| $\checkmark$                     | err | $\checkmark$                     | $c, \pi, \zeta$   |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $c, g, z$         |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $c, g, \zeta$     |
| $\checkmark$                     | err | $\checkmark$                     | $c, z, \zeta$     |
| $[\psi_y]$                       | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $R, \pi, g$       |
| $[\psi_y]$                       | err | $[\psi_y]$                       | $R, \pi, z$       |
| $[\psi_y]$                       | err | $[\psi_y]$                       | $R, \pi, \zeta$   |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $R, g, z$         |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R]$         | $R, g, \zeta$     |
| $[\psi_y]$                       | err | $[\psi_y]$                       | $R, z, \zeta$     |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $\pi, g, z$       |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $\pi, g, \zeta$   |
| $[\psi_\pi\psi_y\sigma_R]$       | err | $[\psi_\pi\psi_y\sigma_R]$       | $\pi, z, \zeta$   |
| $[\psi_\pi\psi_y\rho_R\sigma_R]$ | err | $[\psi_\pi\psi_y\rho_R\sigma_R]$ | $g, z, \zeta$     |

Table 1: INDEXATION AND PREFSHOCK MONPOL SW