**metbrief: 2014-03-04**  
*(next flight 2014-03-05 Wed)*

- TC Faxai east of Guam (14N, 149E), heading NW; projected to be at 18N, 152E by Wed takeoff
- Concern for Wed flight is **winds at takeoff**: crosswind component marginally under 15 knt limit, but could have gusts that exceed limit
  - Monitor convection (cloud tops ≤ 40-45 kft) along northern leg of flight track
- Thu looks good for flying

<table>
<thead>
<tr>
<th></th>
<th>wind</th>
<th>cld cover (base)</th>
<th>precip</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wed</strong> takeoff (04AM)</td>
<td>10-15 knt N340 (crosswind limit)</td>
<td>few to scattered (10-1500 ft)</td>
<td>low prob</td>
<td>in TC dry slot</td>
</tr>
<tr>
<td></td>
<td><strong>midflight</strong> (10AM)</td>
<td>need to monitor TC convection (cloud tops ≤ 40-45 kft) along northern leg of flight track</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>landing (04PM)</td>
<td>10-15 knt N350</td>
<td>few to scattered (10-1500 ft)</td>
<td>low prob</td>
</tr>
<tr>
<td><strong>Thu</strong> takeoff (04AM)</td>
<td>5-10 knt N</td>
<td>scattered (1500 ft), broken (3000 ft)</td>
<td>isolated</td>
<td></td>
</tr>
<tr>
<td></td>
<td><strong>midflight</strong> (10AM)</td>
<td>no convective precip in vicinity (south of equator only)</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>landing (04PM)</td>
<td>10-15 knt N020</td>
<td>scattered (1500 ft)</td>
<td>low prob</td>
</tr>
</tbody>
</table>
‘current’ condition:
satellite IR imagery on 2014-03-03, ~23UTC
(03-04 Tue, ~09AM)

- TC Faxai east of Guam at 14N, 150E (cld tops reaching tropopause), moving NW
- Northerly 15-20 knt winds, with gusts up to 30 knt over Guam -- xwind limit
- dry slot moving over Guam on Wed
‘Wed take-off’ condition (GFS):

850mb RH & winds on 2014-03-04, 18UTC
(03-05 Wed, 04AM)

- Guam in dry slot
- sfc winds may exceed crosswind limit
'Wed landing' condition (GFS):
850mb RH & winds on 2014-03-05, 06UTC
(03-05 Wed, 04PM)

- Guam still in dry slot
- sfc winds weakening and becoming more Nly
  (landing should be OK)
‘Wed midflight’ condition (GFS):
high clouds & 150mb winds on 2014-03-05, 00UTC
(03-05 Wed, 10AM)

• convective precip (cld tops ≤40-45 kft) along northern leg; moving NW