

# CAIRNS AAF PLANNING DATA

| General Wx             |                                 |                                 |                                 |                                 |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |
|------------------------|---------------------------------|---------------------------------|---------------------------------|---------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|----------------------------------|
| Valid                  | 0 hr<br>Wed<br>29/12Z<br>29/07L | 3 hr<br>Wed<br>29/15Z<br>29/10L | 6 hr<br>Wed<br>29/18Z<br>29/13L | 9 hr<br>Wed<br>29/21Z<br>29/16L | 12 hr<br>Thu<br>30/00Z<br>29/19L | 15 hr<br>Thu<br>30/03Z<br>29/22L | 18 hr<br>Thu<br>30/06Z<br>30/01L | 21 hr<br>Thu<br>30/09Z<br>30/04L | 24 hr<br>Thu<br>30/12Z<br>30/07L | 27 hr<br>Thu<br>30/15Z<br>30/10L | 30 hr<br>Thu<br>30/18Z<br>30/13L | 33 hr<br>Thu<br>30/21Z<br>30/16L | 36 hr<br>Fri<br>01/00Z<br>30/19L | 39 hr<br>Fri<br>01/03Z<br>30/22L | 42 hr<br>Fri<br>01/06Z<br>01/01L | 45 hr<br>Fri<br>01/09Z<br>01/04L | 48 hr<br>Fri<br>01/12Z<br>01/07L |
| Temp °F:               | 75°F                            | 85°F                            | 91°F                            | 91°F                            | 80°F                             | 75°F                             | 74°F                             | 73°F                             | 75°F                             | 78°F                             | 85°F                             | 87°F                             | 84°F                             | 78°F                             | 75°F                             | 74°F                             | 74°F                             |
| Temp °C:               | 24°C                            | 29°C                            | 33°C                            | 33°C                            | 27°C                             | 24°C                             | 23°C                             | 23°C                             | 24°C                             | 26°C                             | 30°C                             | 31°C                             | 29°C                             | 26°C                             | 24°C                             | 23°C                             | 23°C                             |
| DP Temp °F:            | 74°F                            | 75°F                            | 73°F                            | 72°F                            | 74°F                             | 73°F                             | 72°F                             | 72°F                             | 73°F                             | 75°F                             | 74°F                             | 72°F                             | 72°F                             | 72°F                             | 73°F                             | 72°F                             | 72°F                             |
| DP Temp °C:            | 23°C                            | 24°C                            | 23°C                            | 22°C                            | 24°C                             | 23°C                             | 22°C                             | 22°C                             | 23°C                             | 24°C                             | 23°C                             | 22°C                             | 22°C                             | 22°C                             | 23°C                             | 22°C                             | 22°C                             |
| Humidity:              | 95%                             | 71%                             | 55%                             | 55%                             | 83%                              | 93%                              | 95%                              | 98%                              | 95%                              | 89%                              | 70%                              | 61%                              | 67%                              | 83%                              | 91%                              | 93%                              | 94%                              |
| Wind Chill:            |                                 |                                 |                                 |                                 |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |
| Heat Index:            | 75°F                            | 93°F                            | 99°F                            | 98°F                            | 85°F                             | 75°F                             | 74°F                             | 73°F                             | 75°F                             | 81°F                             | 93°F                             | 94°F                             | 90°F                             | 81°F                             | 75°F                             | 74°F                             | 74°F                             |
| FITS:                  | 92°F                            | 100°F                           | 105°F                           | 104°F                           | 96°F                             | 92°F                             | 90°F                             | 89°F                             | 91°F                             | 95°F                             | 100°F                            | 101°F                            | 98°F                             | 94°F                             | 91°F                             | 90°F                             | 90°F                             |
| Gen Wx:                |                                 |                                 |                                 |                                 |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |
|                        | Mostly Cloudy                   | Partly Cloudy                   | Cloudy                          | Cloudy                          | T-Storms                         | T-Storms                         | Mostly Cloudy                    | Cloudy                           | Cloudy                           | T-Storms                         | T-Storms                         | Cloudy with Isolated T-Storms    | Cloudy                           | Cloudy with Isolated T-Storms    | Partly Cloudy                    | Partly Cloudy                    | Mostly Cloudy                    |
| Cloud Coverage:        | 5                               | 3                               | 8                               | 8                               | 8                                | 8                                | 5                                | 8                                | 8                                | 8                                | 8                                | 8                                | 8                                | 8                                | 3                                | 3                                | 5                                |
| Lowest Ceiling:        | 025                             |                                 | 040                             | 040                             | 024                              | 010                              | 130                              | 009                              | 002                              | 010                              | 025                              | 030                              | 030                              | 024                              |                                  |                                  | 040                              |
| Wind (kts):            | 050/02                          | 140/05                          | 160/05                          | 140/01                          | 080/08                           | 140/09<br>G22                    | 060/02                           | 050/04                           | 060/05                           | 090/06                           | 110/06                           | 090/04                           | 060/04                           | 170/04                           | 250/01                           | 030/02                           | 030/02                           |
| Cross Wind (kts):      |                                 |                                 |                                 |                                 |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |
| 1000ft MSL Winds:      | 150/14                          | 160/07                          | 160/05                          | 140/01                          | 080/18                           | 140/23                           | 130/08                           | 130/13                           | 120/08                           | 110/10                           | 110/07                           | 100/04                           | 070/07                           | 140/12                           | 150/08                           | 140/07                           | 150/03                           |
| 2000ft MSL Winds:      | 150/13                          | 170/09                          | 160/05                          | 140/01                          | 070/17                           | 140/22                           | 140/09                           | 120/11                           | 110/05                           | 110/06                           | 110/07                           | 100/04                           | 070/07                           | 130/12                           | 150/09                           | 160/07                           | 190/04                           |
| 3000ft MSL Winds:      | 150/12                          | 170/08                          | 160/05                          | 140/02                          | 070/15                           | 140/20                           | 140/10                           | 120/10                           | 120/06                           | 090/06                           | 130/08                           | 110/04                           | 060/05                           | 130/12                           | 150/09                           | 170/08                           | 210/06                           |
| 4000ft MSL Winds:      | 160/12                          | 170/08                          | 160/06                          | 130/02                          | 070/13                           | 140/19                           | 140/10                           | 130/09                           | 130/05                           | 100/05                           | 130/08                           | 150/04                           | 330/02                           | 130/09                           | 150/08                           | 190/07                           | 220/05                           |
| 5000ft MSL Winds:      | 160/12                          | 160/08                          | 170/09                          | 130/02                          | 070/09                           | 130/17                           | 140/11                           | 150/07                           | 150/04                           | 120/03                           | 140/07                           | 200/06                           | 270/03                           | 130/07                           | 160/07                           | 200/06                           | 220/05                           |
| 6000ft MSL Winds:      | 160/12                          | 160/08                          | 170/10                          | 140/04                          | 070/05                           | 120/15                           | 130/10                           | 160/07                           | 170/04                           | 140/01                           | 150/06                           | 200/07                           | 240/05                           | 140/06                           | 160/06                           | 210/06                           | 220/05                           |
| Visibility (sm):       | 3                               | 6                               | 15                              | 15                              | 6                                | 5                                | 3                                | 3                                | 3                                | 3                                | 7                                | 10                               | 8                                | 5                                | 5                                | 3                                | 3                                |
| Precip:                |                                 |                                 |                                 |                                 | RAIN                             | RAIN                             | RAIN                             |                                  |                                  | RAIN                             | RAIN                             | RAIN                             | RAIN                             | RAIN                             | RAIN                             |                                  |                                  |
| 3 Hr Precip (in):      |                                 |                                 |                                 |                                 | 0.048                            | 0.584                            | 0.050                            |                                  |                                  | 0.011                            | 0.078                            | 0.034                            | 0.006                            | 0.073                            | 0.039                            |                                  |                                  |
| Prob of Precip:        |                                 |                                 |                                 |                                 | 55%                              | 66%                              |                                  |                                  |                                  | 91%                              | 88%                              | 33%                              |                                  | 19%                              |                                  |                                  |                                  |
| Prob of TSTM:          | 29%                             | 27%                             | 34%                             | 40%                             | 74%                              | 50%                              | 42%                              | 35%                              | 36%                              | 66%                              | 63%                              | 56%                              | 31%                              | 58%                              | 44%                              | 27%                              | 22%                              |
| Prob of Snow:          |                                 |                                 |                                 |                                 |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |
| Prob of Frz Precip:    |                                 |                                 |                                 |                                 |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |
| Prob of Fog:           | 2%                              |                                 |                                 |                                 |                                  |                                  | 1%                               | 2%                               | 2%                               | 1%                               |                                  |                                  |                                  |                                  |                                  | 1%                               | 1%                               |
| ALSTG (in hg):         | 30.14                           | 30.14                           | 30.12                           | 30.07                           | 30.10                            | 30.16                            | 30.14                            | 30.11                            | 30.13                            | 30.16                            | 30.11                            | 30.07                            | 30.05                            | 30.11                            | 30.08                            | 30.05                            | 30.09                            |
| Press Alt (ft):        | 84                              | 84                              | 110                             | 155                             | 129                              | 72                               | 85                               | 117                              | 94                               | 74                               | 112                              | 154                              | 170                              | 121                              | 144                              | 172                              | 135                              |
| Density Alt (ft):      | 1535                            | 2173                            | 2558                            | 2568                            | 1905                             | 1534                             | 1436                             | 1416                             | 1510                             | 1730                             | 2205                             | 2356                             | 2185                             | 1752                             | 1596                             | 1569                             | 1525                             |
| Max Turb Blo 10K:      |                                 |                                 |                                 |                                 |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |
| Max Icg Blo 10K:       |                                 |                                 |                                 |                                 |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |                                  |
| Trop Hgt (ft):         | 46625                           | 46636                           | 46679                           | 43591                           | 43612                            | 46763                            | 43581                            | 43505                            | 43501                            | 43546                            | 43552                            | 46625                            | 43579                            | 43566                            | 43526                            | 43489                            | 43474                            |
| Freezing Lvl (ft AGL): | 14480                           | 14591                           | 14657                           | 14884                           | 15343                            | 14719                            | 14828                            | 14830                            | 14779                            | 14855                            | 14719                            | 15019                            | 15207                            | 14958                            | 15079                            | 14250                            | 14128                            |

THIS DATA IS COMPUTER-GENERATED AND SHOULD BE USED FOR PLANNING ONLY.