

## Map marking information for Bebedouro, Brazil

### Courtesy of Aeroclube Bebedouro

Latitude range: -24 52.3 to -12 4.1  
Longitude range: -56 42.8 to -45 4.6

File created Friday, 09 February 2024 at 04:17 GMT

UNOFFICIAL, USE AT YOUR OWN RISK

Do not use for navigation, for flight verification only.

Always consult the relevant publications for current and correct information. This service is provided free of charge with no warranties, expressed or implied.

User assumes all risk of use.

| Way Point           | Latitude  | Longitude | Distance | Bearing | Description        |
|---------------------|-----------|-----------|----------|---------|--------------------|
| Baln S Januario     | 24 52.2 S | 47 45.5 W | 448      | 171     | Ilha Comprida      |
| Bunge Fertilizantes | 24 43.1 S | 48 7.1 W  | 426      | 175     | Cajati             |
| Jacupiranga         | 24 42.9 S | 48 1.6 W  | 427      | 174     |                    |
| Telemaco Borba      | 24 19.0 S | 50 39.1 W | 441      | 210     |                    |
| Ica                 | 24 18.9 S | 47 0.8 W  | 408      | 159     | Peruibe            |
| Itanhaem            | 24 9.9 S  | 46 47.1 W | 402      | 155     |                    |
| Itarare             | 24 8.1 S  | 49 19.7 W | 370      | 194     |                    |
| Nascimento II       | 24 4.5 S  | 48 13.5 W | 354      | 176     | Capao Bonito       |
| Faz Caicara         | 24 4.2 S  | 46 49.7 W | 391      | 155     | Itanhaem           |
| Capao Bonito        | 24 1.9 S  | 48 21.5 W | 348      | 178     |                    |
| Faz Spartacus       | 24 0.0 S  | 48 36.5 W | 345      | 182     | Taquarivai         |
| Faz Goiabeira       | 23 59.4 S | 49 10.8 W | 351      | 192     | Itabera            |
| Itapeva             | 23 56.5 S | 48 53.0 W | 341      | 187     |                    |
| Base Aerea Santos   | 23 55.7 S | 46 18.0 W | 404      | 147     | Guaruja            |
| Faz S Marco         | 23 55.3 S | 48 49.2 W | 338      | 186     | Itapeva            |
| Faz Represas        | 23 52.4 S | 48 2.2 W  | 334      | 172     | Sao Miguel Arcanjo |
| Faz Jequitiba       | 23 50.7 S | 48 26.9 W | 327      | 180     | Buri               |
| Faz S Jose B Retiro | 23 47.1 S | 48 20.4 W | 321      | 178     | Itapetininga       |
| Faz Bonanza 3       | 23 41.2 S | 47 33.5 W | 324      | 163     | Salto de Pirapora  |
| Faz Guara do Pinhal | 23 40.0 S | 48 4.4 W  | 310      | 172     | Itapetininga       |

| Way Point                  | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description          |
|----------------------------|----------|------|---|-----------|------|---|----------|---------|----------------------|
| Congonhas                  | 23       | 37.6 | S | 46        | 39.4 | W | 356      | 149     | Sao Paulo            |
| Nascimento I               | 23       | 37.2 | S | 46        | 59.0 | W | 339      | 153     | Vargem Grande do Sul |
| Faz Sta Albana             | 23       | 34.3 | S | 48        | 17.0 | W | 298      | 176     | Itapetininga         |
| Rancho Villela             | 23       | 34.2 | S | 48        | 51.8 | W | 300      | 188     | Itai                 |
| Faz Irohy                  | 23       | 33.9 | S | 46        | 4.2  | W | 386      | 141     | Biritiba-Mirim       |
| Faz Sta Dulcina            | 23       | 33.0 | S | 49        | 15.0 | W | 305      | 195     | Taquarituba          |
| Marte                      | 23       | 30.4 | S | 46        | 38.1 | W | 346      | 147     | Sao Paulo            |
| Faz Royal                  | 23       | 30.4 | S | 48        | 0.0  | W | 294      | 171     | Itapetininga         |
| Sorocaba                   | 23       | 29.0 | S | 47        | 29.2 | W | 305      | 161     |                      |
| Faz S Francisco 3          | 23       | 28.5 | S | 49        | 32.6 | W | 307      | 201     | Fartura              |
| Ubatuba                    | 23       | 26.5 | S | 45        | 4.6  | W | 450      | 130     |                      |
| Guarulhos                  | 23       | 26.1 | S | 46        | 28.4 | W | 349      | 144     | Sao Paulo            |
| Faz Ipanema 1              | 23       | 25.5 | S | 47        | 34.9 | W | 295      | 162     | Ipero                |
| Itu                        | 23       | 21.0 | S | 47        | 19.7 | W | 297      | 157     |                      |
| Tatui                      | 23       | 19.9 | S | 47        | 52.8 | W | 277      | 167     |                      |
| Faz Araras                 | 23       | 18.5 | S | 49        | 5.3  | W | 275      | 193     | Itai                 |
| Faz 2 Lagos                | 23       | 18.4 | S | 47        | 56.0 | W | 273      | 168     | Tatui                |
| Boituva                    | 23       | 17.9 | S | 47        | 41.5 | W | 279      | 163     |                      |
| Faz Fortaleza Paranapanema | 23       | 17.6 | S | 48        | 48.8 | W | 268      | 187     |                      |
| Faz Regina                 | 23       | 17.2 | S | 48        | 44.3 | W | 267      | 186     | Itatinga             |
| S Jose Campos              | 23       | 13.7 | S | 45        | 52.3 | W | 373      | 134     | Sao Jose Dos Campos  |
| Faz Gavea                  | 23       | 13.5 | S | 49        | 10.8 | W | 269      | 196     | Cerqueira Cesar      |
| Hot Faz Capricho           | 23       | 13.5 | S | 48        | 47.8 | W | 261      | 187     | Avare                |
| Faz Tapijara               | 23       | 13.2 | S | 49        | 4.5  | W | 265      | 193     | Arandu               |
| 3 Marias                   | 23       | 11.5 | S | 47        | 4.5  | W | 293      | 151     | Itupeva              |
| Jundiai                    | 23       | 10.9 | S | 46        | 56.6 | W | 299      | 148     |                      |
| Faz Cpo Alegre             | 23       | 9.2  | S | 49        | 12.5 | W | 262      | 197     | Cerqueira Cesar      |
| Sitio Limoeiro             | 23       | 8.7  | S | 48        | 18.6 | W | 250      | 176     | Pardinho             |
| Atibaia                    | 23       | 7.7  | S | 46        | 34.5 | W | 316      | 142     |                      |
| Tiete                      | 23       | 6.3  | S | 47        | 43.5 | W | 257      | 163     |                      |
| Avare                      | 23       | 5.6  | S | 48        | 59.0 | W | 249      | 192     |                      |
| Faz Canaa                  | 23       | 4.3  | S | 49        | 25.9 | W | 261      | 202     | Piraju               |
| Cacapava                   | 23       | 2.6  | S | 45        | 46.5 | W | 366      | 131     |                      |
| Base Aviacao               | 23       | 2.3  | S | 45        | 30.9 | W | 387      | 128     | Taubate              |
| Faz Real                   | 23       | 2.2  | S | 48        | 26.4 | W | 238      | 179     | Botucatu             |
| Viracopos                  | 23       | 0.4  | S | 47        | 8.1  | W | 272      | 150     | Campinas             |
| Faz Primavera 2            | 23       | 0.3  | S | 46        | 42.6 | W | 296      | 142     | Itatiba              |
| Faz Vale Eldorado          | 23       | 0.2  | S | 46        | 38.1 | W | 301      | 141     | Atibaia              |
| Braganca Pta               | 22       | 58.8 | S | 46        | 32.2 | W | 305      | 140     | Braganca Paulista    |
| Ourinhos                   | 22       | 58.4 | S | 49        | 54.7 | W | 274      | 212     |                      |
| Rancho Donana              | 22       | 57.7 | S | 49        | 8.9  | W | 240      | 197     | Cerqueira Cesar      |

| Way Point              | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description                |
|------------------------|----------|------|---|-----------|------|---|----------|---------|----------------------------|
| Faz Quatirimas         | 22       | 57.6 | S | 48        | 40.5 | W | 230      | 185     | Botucatu                   |
| Faz Maristela          | 22       | 57.2 | S | 45        | 36.1 | W | 374      | 128     | Tremembe                   |
| Us S Luiz 2            | 22       | 56.9 | S | 49        | 46.0 | W | 264      | 210     | Ourinhos                   |
| Pindamonhangaba        | 22       | 56.6 | S | 45        | 25.9 | W | 387      | 126     |                            |
| Botucatu               | 22       | 56.2 | S | 48        | 28.1 | W | 226      | 180     |                            |
| Faz S Francisco 2      | 22       | 55.2 | S | 51        | 21.1 | W | 372      | 232     | Florestapolis              |
| Faz Sta Helena         | 22       | 53.5 | S | 45        | 29.6 | W | 379      | 126     | Pindamonhangaba            |
| Faz R Pardo            | 22       | 52.7 | S | 49        | 2.3  | W | 227      | 195     | Iaras                      |
| Amarais                | 22       | 51.5 | S | 47        | 6.5  | W | 259      | 147     | Campinas                   |
| Faz Bom Retiro         | 22       | 48.0 | S | 50        | 2.8  | W | 266      | 217     | Ibirarema                  |
| Faz Sao Joao 4b        | 22       | 47.6 | S | 49        | 20.5 | W | 229      | 203     | Aguas de Santa Barbara     |
| Guaratingueta          | 22       | 47.5 | S | 45        | 12.3 | W | 398      | 123     |                            |
| Rodrigues              | 22       | 46.9 | S | 47        | 20.1 | W | 240      | 151     | Nova Odessa                |
| Faz N S Conceicao      | 22       | 45.9 | S | 48        | 32.5 | W | 207      | 182     | Sao Manuel                 |
| Americana              | 22       | 45.3 | S | 47        | 16.1 | W | 241      | 149     |                            |
| Faz Pte Preta          | 22       | 44.0 | S | 49        | 29.0 | W | 229      | 207     | Santa Cruz do Rio Pardo    |
| Piracicaba             | 22       | 42.6 | S | 47        | 37.2 | W | 220      | 157     |                            |
| S Manuel               | 22       | 41.8 | S | 48        | 34.6 | W | 200      | 183     | Sao Manuel                 |
| Faz M Azul             | 22       | 41.2 | S | 48        | 32.0 | W | 199      | 182     | Sao Manuel                 |
| Assis                  | 22       | 38.4 | S | 50        | 27.2 | W | 281      | 226     |                            |
| Faz Chapadao           | 22       | 37.3 | S | 46        | 50.6 | W | 255      | 139     | Amparo                     |
| Maggi Agrop            | 22       | 36.8 | S | 50        | 5.7  | W | 254      | 221     | Campos Novos Paulistas     |
| Limeira                | 22       | 36.2 | S | 47        | 24.7 | W | 219      | 150     |                            |
| Faz Encontro Das Aguas | 22       | 36.2 | S | 48        | 23.3 | W | 190      | 177     | Sao Manuel                 |
| Faz Esmeralda          | 22       | 35.3 | S | 51        | 17.9 | W | 347      | 237     | Taciba                     |
| S Pedro                | 22       | 35.0 | S | 47        | 53.8 | W | 196      | 162     | Sao Pedro                  |
| Lencois Paulista       | 22       | 34.6 | S | 48        | 46.5 | W | 189      | 189     |                            |
| R Alegre               | 22       | 34.5 | S | 52        | 30.2 | W | 456      | 245     | Euclides da Cunha Paulista |
| Us Pto Primavera       | 22       | 31.6 | S | 52        | 58.3 | W | 499      | 248     | Rosana                     |
| Faz Alvorada           | 22       | 31.5 | S | 50        | 2.8  | W | 243      | 222     | Campos Novos Paulistas     |
| Limeira Novo           | 22       | 30.9 | S | 47        | 16.4 | W | 218      | 146     | Limeira                    |
| Faz Vista Bonita       | 22       | 30.2 | S | 51        | 48.8 | W | 388      | 242     | Sandovalina                |
| Faz Sta Irene          | 22       | 29.7 | S | 51        | 54.6 | W | 397      | 243     | Sandovalina                |
| Faz Herdade            | 22       | 29.6 | S | 46        | 50.6 | W | 244      | 137     | Itapira                    |
| Faz Sta Luiza          | 22       | 29.0 | S | 48        | 31.4 | W | 176      | 182     | Barra Bonita               |
| Saint-Exupery          | 22       | 29.0 | S | 49        | 59.0 | W | 235      | 221     | Ocaucu                     |
| Faz N Damasco          | 22       | 29.0 | S | 51        | 31.8 | W | 362      | 240     | Narandiba                  |
| Faz Gandu              | 22       | 28.6 | S | 49        | 28.2 | W | 203      | 210     | Duartina                   |
| Faz N California       | 22       | 28.0 | S | 51        | 12.1 | W | 331      | 238     | Martinopolis               |
| Edra do Brasil         | 22       | 26.4 | S | 47        | 42.1 | W | 189      | 155     | Ipeuna                     |
| Faz Haras Bela Vista   | 22       | 26.3 | S | 48        | 24.3 | W | 171      | 178     | Mineiros do Tiete          |

| Way Point                | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description            |
|--------------------------|----------|------|---|-----------|------|---|----------|---------|------------------------|
| R Claro                  | 22       | 25.9 | S | 47        | 33.9 | W | 194      | 151     |                        |
| Paraguacu Paulista       | 22       | 25.6 | S | 50        | 36.4 | W | 278      | 232     |                        |
| Virgulino de Oliveira    | 22       | 24.9 | S | 46        | 48.5 | W | 241      | 135     | Itapira                |
| Mogi-Mirim               | 22       | 24.6 | S | 46        | 54.3 | W | 233      | 136     | Mogi Mirim             |
| Faz Fartura              | 22       | 22.0 | S | 49        | 56.8 | W | 223      | 223     | Ocaucu                 |
| Conchal                  | 22       | 21.9 | S | 47        | 16.2 | W | 205      | 143     |                        |
| E C A Botelho            | 22       | 21.4 | S | 51        | 6.0  | W | 316      | 239     | Rancharia              |
| Bauru                    | 22       | 20.7 | S | 49        | 3.2  | W | 172      | 200     |                        |
| Araras                   | 22       | 20.2 | S | 47        | 21.5 | W | 197      | 144     |                        |
| Pederneiras              | 22       | 18.5 | S | 48        | 46.3 | W | 160      | 191     |                        |
| Faz Eldorado             | 22       | 18.2 | S | 49        | 27.7 | W | 187      | 213     | Galia                  |
| Ecofly Duv               | 22       | 17.8 | S | 48        | 7.1  | W | 160      | 167     | Brotas                 |
| Faz Shangrila            | 22       | 17.7 | S | 49        | 12.7 | W | 173      | 206     | Bauru                  |
| Faz Sta Maria 3          | 22       | 17.3 | S | 52        | 15.3 | W | 420      | 248     | Teodoro Sampaio        |
| Cia Agricola Quata       | 22       | 17.3 | S | 50        | 38.4 | W | 272      | 235     | Quata                  |
| Faz M Vermelho           | 22       | 16.5 | S | 48        | 36.2 | W | 153      | 185     | Jau                    |
| Faz Sta Isabel           | 22       | 15.0 | S | 48        | 2.4  | W | 157      | 163     | Brotas                 |
| Faz Sto Angelo           | 22       | 14.7 | S | 48        | 15.6 | W | 151      | 172     | Brotas                 |
| Faz Toca                 | 22       | 14.6 | S | 47        | 42.2 | W | 169      | 152     | Itirapina              |
| Vera Cruz                | 22       | 13.8 | S | 49        | 49.1 | W | 203      | 223     |                        |
| Faz Sto Antonio Oricanga | 22       | 13.7 | S | 46        | 58.2 | W | 214      | 134     | Estiva Gerbi           |
| Leme                     | 22       | 13.6 | S | 47        | 22.9 | W | 186      | 143     |                        |
| J Martins Silva          | 22       | 13.5 | S | 51        | 20.9 | W | 332      | 243     | Regente Feijo          |
| Faz S Joaquim 2          | 22       | 12.0 | S | 51        | 58.4 | W | 390      | 248     | Maraba Paulista        |
| Marilia                  | 22       | 11.7 | S | 49        | 55.6 | W | 208      | 226     |                        |
| Dr Augusto A Botelho     | 22       | 11.7 | S | 47        | 51.8 | W | 157      | 156     | Itirapina              |
| Faz Jamaica              | 22       | 11.4 | S | 50        | 16.7 | W | 235      | 232     | Pompeia                |
| Garca                    | 22       | 11.0 | S | 49        | 39.4 | W | 188      | 220     |                        |
| Faz Santana              | 22       | 10.9 | S | 50        | 52.0 | W | 286      | 240     | Rancharia              |
| Cristal                  | 22       | 10.9 | S | 50        | 29.6 | W | 253      | 235     | Bora                   |
| Faz Cruzeiro             | 22       | 10.8 | S | 48        | 29.1 | W | 142      | 180     | Jau                    |
| Pres Prudente            | 22       | 10.7 | S | 51        | 25.1 | W | 336      | 244     | Presidente Prudente    |
| Irmaos Ribeiro           | 22       | 9.7  | S | 46        | 46.6 | W | 225      | 129     | Espirito Sto do Pinhal |
| Bauru Aurealva           | 22       | 9.6  | S | 49        | 4.2  | W | 153      | 204     | Bauru                  |
| Faz Palmeiras            | 22       | 9.4  | S | 47        | 43.1 | W | 160      | 151     | Analandia              |
| Faz Bonanza 2            | 22       | 9.3  | S | 49        | 17.3 | W | 163      | 211     | Avai                   |
| Faz Cresciumal           | 22       | 9.2  | S | 47        | 16.7 | W | 186      | 139     | Leme                   |
| Faz Sta Carolina 1       | 22       | 7.9  | S | 48        | 19.2 | W | 138      | 173     | Dourado                |
| Faz Anhumas              | 22       | 7.3  | S | 52        | 11.9 | W | 409      | 250     | Presidente Epitacio    |
| Us Bocaina               | 22       | 6.3  | S | 48        | 28.2 | W | 134      | 180     | Bocaina                |
| Faz Sta Elisa 2          | 22       | 6.1  | S | 48        | 13.6 | W | 136      | 169     | Ribeirao Bonito        |

| Way Point                   | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description              |
|-----------------------------|----------|------|---|-----------|------|---|----------|---------|--------------------------|
| Est Machado                 | 22       | 6.1  | S | 51        | 27.1 | W | 336      | 246     | Alvares Machado          |
| Bariri                      | 22       | 4.2  | S | 48        | 42.4 | W | 132      | 190     |                          |
| Faz Figueira 2              | 22       | 4.1  | S | 52        | 9.5  | W | 403      | 251     | Maraba Paulista          |
| Faz Itapiranga              | 22       | 3.8  | S | 51        | 55.5 | W | 380      | 249     | Maraba Paulista          |
| Ibate Duv                   | 22       | 3.1  | S | 48        | 5.8  | W | 134      | 163     | Ibate                    |
| 25 Faz B Vista Pirassununga | 22       | 2.6  | S | 47        | 33.6 | W | 158      | 144     |                          |
| Faz Anhumas II              | 22       | 2.5  | S | 52        | 17.5 | W | 415      | 251     | Presidente Epitacio      |
| Pirassununga                | 22       | 1.6  | S | 47        | 25.3 | W | 166      | 139     |                          |
| S Joao B Vista              | 22       | 1.0  | S | 46        | 50.5 | W | 210      | 127     | Sao Joao da Boa Vista    |
| Faz Sta Maria 2             | 22       | 0.4  | S | 49        | 24.8 | W | 157      | 218     | Pirajui                  |
| Faz S Geraldo               | 22       | 0.2  | S | 51        | 48.7 | W | 367      | 250     | Piquerobi                |
| Faz Bandeira                | 22       | 0.0  | S | 50        | 35.9 | W | 252      | 241     | Tupa                     |
| Cpo Fontenelle              | 21       | 59.1 | S | 47        | 19.6 | W | 169      | 136     | Pirassununga             |
| Faz Turmalina               | 21       | 58.9 | S | 50        | 58.3 | W | 285      | 245     | Martinopolis             |
| Faz Jacuba                  | 21       | 55.1 | S | 46        | 57.1 | W | 194      | 126     | Vargem Grande do Sul     |
| Faz Suissa                  | 21       | 54.7 | S | 49        | 51.5 | W | 182      | 232     | Guaimbe                  |
| Us Sao Luiz 1               | 21       | 54.0 | S | 47        | 16.6 | W | 166      | 132     | Santa Cruz Das Palmeiras |
| Caiabu                      | 21       | 53.9 | S | 51        | 11.2 | W | 302      | 248     |                          |
| Pres Venceslau              | 21       | 53.6 | S | 51        | 53.1 | W | 370      | 252     | Presidente Venceslau     |
| Tupa                        | 21       | 53.4 | S | 50        | 30.4 | W | 237      | 242     |                          |
| Faz Sta Teresinha           | 21       | 52.9 | S | 47        | 46.5 | W | 131      | 147     | Sao Carlos               |
| Faz Entre Rios 2            | 21       | 52.7 | S | 48        | 39.6 | W | 110      | 190     | Ibitinga                 |
| S Carlos                    | 21       | 52.6 | S | 47        | 54.2 | W | 124      | 152     | Sao Carlos               |
| Faz Negrinha                | 21       | 52.5 | S | 50        | 52.3 | W | 271      | 246     | Parapua                  |
| Faz Koga                    | 21       | 52.3 | S | 49        | 58.8 | W | 190      | 235     | Getulina                 |
| Faz Pte Funda               | 21       | 52.2 | S | 52        | 9.8  | W | 397      | 254     | Presidente Epitacio      |
| Faz S Miguel                | 21       | 52.1 | S | 50        | 7.0  | W | 201      | 237     | Pompeia                  |
| Faz Fittipaldi Citrus       | 21       | 51.3 | S | 48        | 17.8 | W | 108      | 170     | Araraquara               |
| Faz Cpo Vitoria             | 21       | 49.9 | S | 46        | 57.3 | W | 188      | 124     | Vargem Grande do Sul     |
| Faz Alamo                   | 21       | 48.9 | S | 47        | 54.0 | W | 118      | 150     | Sao Carlos               |
| Araraquara                  | 21       | 48.7 | S | 48        | 8.0  | W | 107      | 161     |                          |
| Faz 20 de Maio              | 21       | 48.5 | S | 49        | 58.3 | W | 185      | 237     | Getulina                 |
| Us Ipiranga                 | 21       | 48.0 | S | 49        | 1.4  | W | 115      | 210     | Iacanga                  |
| Sitio S Jose                | 21       | 47.9 | S | 48        | 32.7 | W | 100      | 184     | Nova Europa              |
| Casa Branca                 | 21       | 47.3 | S | 47        | 3.3  | W | 177      | 124     |                          |
| Faz Pixoxo                  | 21       | 46.8 | S | 47        | 53.0 | W | 115      | 148     | S Carlos                 |
| Pres Epitacio               | 21       | 46.5 | S | 52        | 9.8  | W | 394      | 255     | Presidente Epitacio      |
| Embraer                     | 21       | 45.9 | S | 48        | 24.3 | W | 96       | 176     | Gaviao Peixoto           |
| Faz Sao Franc Itaquere      | 21       | 45.8 | S | 48        | 35.0 | W | 97       | 187     | Nova Europa              |
| Lucelia                     | 21       | 45.0 | S | 51        | 1.1  | W | 280      | 250     |                          |
| Ibitinga                    | 21       | 44.8 | S | 48        | 51.4 | W | 102      | 203     |                          |

| Way Point        | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description                |
|------------------|----------|------|---|-----------|------|---|----------|---------|----------------------------|
| Faz California 2 | 21       | 44.6 | S | 50        | 56.9 | W | 273      | 249     | Inubia Paulista            |
| T Nogushi        | 21       | 43.9 | S | 48        | 13.3 | W | 96       | 164     | Araraquara                 |
| Us Sta Rita Duv  | 21       | 43.5 | S | 47        | 39.5 | W | 125      | 138     | Santa Rita do Passa Quatro |
| Faz Citricola    | 21       | 43.5 | S | 48        | 22.6 | W | 92       | 174     | Gaviao Peixoto             |
| Tambau           | 21       | 41.8 | S | 47        | 18.9 | W | 149      | 127     |                            |
| Adamantina       | 21       | 41.8 | S | 51        | 5.8  | W | 286      | 251     |                            |
| Faz Caramuru     | 21       | 41.6 | S | 50        | 56.2 | W | 270      | 250     | Inubia Paulista            |
| Museu Murilo     | 21       | 41.0 | S | 48        | 12.7 | W | 91       | 163     | Araraquara                 |
| Lins             | 21       | 39.8 | S | 49        | 43.8 | W | 155      | 237     |                            |
| Faz Sao Roque    | 21       | 39.6 | S | 49        | 9.9  | W | 111      | 220     | Reginopolis                |
| Faz Itaquere     | 21       | 39.3 | S | 48        | 16.0 | W | 87       | 166     | Araraquara                 |
| S Jose R Pardo   | 21       | 38.8 | S | 46        | 55.8 | W | 180      | 118     | Sao Jose do Rio Pardo      |
| A Ribeiro        | 21       | 38.5 | S | 47        | 28.2 | W | 133      | 129     | Santa Rita do Passa Quatro |
| Faz Ipameri      | 21       | 37.9 | S | 50        | 48.5 | W | 255      | 251     | Oswaldo Cruz               |
| Faz Cambuhy      | 21       | 37.9 | S | 48        | 28.7 | W | 81       | 180     | Matao                      |
| Marchesan        | 21       | 37.8 | S | 48        | 23.6 | W | 82       | 174     | Matao                      |
| Tom Agricola     | 21       | 37.7 | S | 48        | 47.0 | W | 87       | 202     | Itapolis                   |
| Matao            | 21       | 37.4 | S | 48        | 21.1 | W | 81       | 171     |                            |
| Itapolis         | 21       | 36.0 | S | 48        | 50.0 | W | 86       | 206     |                            |
| Chac Sta Julieta | 21       | 34.8 | S | 49        | 52.5 | W | 164      | 242     | Promissao                  |
| Faz Sta Thereza  | 21       | 34.1 | S | 49        | 18.1 | W | 114      | 229     | Novo Horizonte             |
| Aerogardi        | 21       | 33.7 | S | 48        | 47.9 | W | 81       | 205     | Itapolis                   |
| Com V Bonomi     | 21       | 31.9 | S | 47        | 2.8  | W | 164      | 116     | Mococa                     |
| Mutuca           | 21       | 30.8 | S | 48        | 9.0  | W | 76       | 154     |                            |
| Faz Figueira 1   | 21       | 30.7 | S | 50        | 7.3  | W | 184      | 248     | Penapolis                  |
| Pista 1          | 21       | 30.6 | S | 48        | 16.8 | W | 71       | 164     |                            |
| Us Sta Luiza     | 21       | 30.5 | S | 48        | 11.8 | W | 74       | 157     | Motuca                     |
| Faz Perobal      | 21       | 30.2 | S | 50        | 46.7 | W | 248      | 254     | Guararapes                 |
| Faz Aparecida    | 21       | 29.9 | S | 50        | 6.1  | W | 181      | 248     | Penapolis                  |
| N Horizonte      | 21       | 29.9 | S | 49        | 14.1 | W | 103      | 230     | Novo Horizonte             |
| Faz Gurucaia     | 21       | 29.7 | S | 50        | 44.0 | W | 243      | 254     | Guararapes                 |
| Mococa           | 21       | 29.2 | S | 47        | 2.0  | W | 163      | 114     |                            |
| Us Branco Peres  | 21       | 29.2 | S | 51        | 1.5  | W | 273      | 256     | Adamantina                 |
| Pista 2          | 21       | 28.6 | S | 48        | 19.9 | W | 66       | 167     |                            |
| Sitio Sta Helena | 21       | 28.4 | S | 50        | 36.9 | W | 231      | 254     | Gabriel Monteiro           |
| Faz Altair       | 21       | 28.0 | S | 48        | 22.0 | W | 64       | 170     | Santa Ernestina            |
| Faz Ibipora      | 21       | 27.8 | S | 50        | 47.8 | W | 249      | 255     | Guararapes                 |
| Dracena          | 21       | 27.7 | S | 51        | 36.4 | W | 331      | 259     |                            |
| Capao Cruz       | 21       | 27.6 | S | 47        | 53.4 | W | 87       | 136     | Luis Antonio               |
| Sabino           | 21       | 27.6 | S | 49        | 34.7 | W | 130      | 241     |                            |
| Pista 3          | 21       | 27.2 | S | 48        | 20.3 | W | 63       | 167     |                            |

|    | Way Point            | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description           |
|----|----------------------|----------|------|---|-----------|------|---|----------|---------|-----------------------|
| 87 | Tapinas              | 21       | 26.8 | S | 48        | 47.2 | W | 69       | 208     |                       |
|    | Faz Amalia           | 21       | 26.6 | S | 47        | 22.3 | W | 129      | 118     | Santa Rosa do Viterbo |
|    | Faz Jaguarete        | 21       | 26.6 | S | 50        | 43.4 | W | 241      | 255     | Guararapes            |
|    | Faz Capao Cruz       | 21       | 25.8 | S | 47        | 54.1 | W | 84       | 135     | Luis Antonio          |
|    | Faz S Jose 2         | 21       | 25.5 | S | 46        | 45.2 | W | 188      | 108     | Tapiratiba            |
| 35 | Faz Cruzeiro 1       | 21       | 24.7 | S | 48        | 19.7 | W | 59       | 165     | Guariba               |
|    | Penapolis            | 21       | 24.6 | S | 50        | 1.9  | W | 171      | 250     |                       |
| 68 | Taquaritinga         | 21       | 24.4 | S | 48        | 30.3 | W | 56       | 183     |                       |
| 69 | Us Bonfim            | 21       | 24.4 | S | 48        | 19.0 | W | 59       | 164     | Guariba               |
|    | Tupi Pta             | 21       | 23.6 | S | 51        | 35.9 | W | 329      | 260     | Tupi Paulista         |
| 33 | Faz Contendas        | 21       | 23.4 | S | 48        | 31.6 | W | 55       | 186     | Taquaritinga          |
| 8  | Botelho Santa Adelia | 21       | 21.8 | S | 48        | 45.9 | W | 60       | 210     |                       |
| 7  | Botelho              | 21       | 21.8 | S | 48        | 40.0 | W | 55       | 201     |                       |
|    | Faz Guanabara 2      | 21       | 20.6 | S | 51        | 24.2 | W | 308      | 260     | Junqueiropolis        |
|    | Faz Aracatuba        | 21       | 20.6 | S | 51        | 15.1 | W | 292      | 260     | Pacaembu              |
|    | Us Sao Martinho      | 21       | 20.4 | S | 48        | 6.9  | W | 61       | 143     | Pradopolis            |
|    | Faz Sta Candida      | 21       | 20.0 | S | 48        | 10.2 | W | 58       | 147     | Guariba               |
| 76 | Us Santa Adelia      | 21       | 19.9 | S | 48        | 19.0 | W | 51       | 161     | Jaboticabal           |
|    | Faz Passaredo        | 21       | 19.2 | S | 47        | 13.9 | W | 137      | 110     | Cajuru                |
| 60 | Itajobi              | 21       | 19.1 | S | 49        | 3.3  | W | 76       | 232     |                       |
|    | Faz Sta Clara        | 21       | 18.2 | S | 50        | 45.1 | W | 241      | 259     | Rubiacea              |
|    | Us Sao Carlos        | 21       | 17.1 | S | 48        | 9.8  | W | 53       | 143     | Jaboticabal           |
|    | Birigui              | 21       | 16.9 | S | 50        | 19.6 | W | 197      | 257     |                       |
|    | Irapua               | 21       | 16.8 | S | 49        | 24.6 | W | 106      | 246     |                       |
|    | Faz Sto Antonio      | 21       | 16.6 | S | 51        | 17.8 | W | 296      | 261     | Mirandopolis          |
| 14 | Chac Serradinho      | 21       | 15.8 | S | 48        | 21.4 | W | 42       | 163     | Jaboticabal           |
|    | Guararapes           | 21       | 15.8 | S | 50        | 39.2 | W | 230      | 259     |                       |
| 57 | Mte Alto             | 21       | 15.5 | S | 48        | 31.4 | W | 40       | 187     | Monte Alto            |
|    | Faz Pacuruxu         | 21       | 15.4 | S | 51        | 43.7 | W | 340      | 263     | Sta Mercedes          |
|    | Faz Cataco           | 21       | 15.3 | S | 49        | 47.7 | W | 143      | 254     | Ubarana               |
|    | Faz Barra Traitu     | 21       | 14.8 | S | 50        | 29.4 | W | 213      | 259     | Aracatuba             |
| 54 | Jaboticabal          | 21       | 13.8 | S | 48        | 17.1 | W | 42       | 152     |                       |
|    | Jose Dona            | 21       | 13.1 | S | 50        | 18.1 | W | 193      | 259     | Birigui               |
|    | Country Club Orgabil | 21       | 13.0 | S | 50        | 24.3 | W | 204      | 260     | Aracatuba             |
|    | Agrishow             | 21       | 12.7 | S | 47        | 52.0 | W | 72       | 119     | Ribeirao Preto        |
|    | Us Sta Lydia         | 21       | 12.2 | S | 47        | 55.2 | W | 67       | 121     | Ribeirao Preto        |
|    | Faz Avanhadava       | 21       | 11.3 | S | 49        | 56.2 | W | 155      | 258     | Jose Bonifacio        |
| 1  | Agricola Taiuva      | 21       | 9.1  | S | 48        | 23.3 | W | 29       | 162     | Taiuva                |
| 13 | Catanduva            | 21       | 8.9  | S | 48        | 59.3 | W | 60       | 243     |                       |
|    | Jacarezinho          | 21       | 8.9  | S | 50        | 54.1 | W | 253      | 263     | Valparaiso            |
|    | Aracatuba            | 21       | 8.7  | S | 50        | 25.6 | W | 205      | 262     |                       |

|    | Way Point              | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description                |
|----|------------------------|----------|------|---|-----------|------|---|----------|---------|----------------------------|
|    | Sto Expedito           | 21       | 8.5  | S | 51        | 32.8 | W | 320      | 265     | Nova Independencia         |
|    | Leite Lopes            | 21       | 8.1  | S | 47        | 46.4 | W | 77       | 110     | Ribeirao Preto             |
| 70 | Us Catanduva           | 21       | 7.7  | S | 48        | 50.7 | W | 46       | 237     | Palmares Paulista          |
| 85 | Taiuva                 | 21       | 7.4  | S | 48        | 27.1 | W | 25       | 175     |                            |
|    | Us Sto Antonio         | 21       | 7.3  | S | 47        | 56.9 | W | 60       | 114     | Sertaozinho                |
|    | SJTJ                   | 21       | 7.0  | S | 54        | 27.0 | W | 621      | 267     | N Alvorada Sul-02t08       |
|    | SNCE                   | 21       | 6.4  | S | 45        | 48.3 | W | 278      | 95      | C Meio-Campo Do10 10       |
|    | 60 Pirangi Para 500FAI | 21       | 6.2  | S | 48        | 41.5 | W | 32       | 225     |                            |
|    | Faz Sao Luiz           | 21       | 5.8  | S | 47        | 44.0 | W | 80       | 106     | Jardinopolis               |
|    | SNHJ                   | 21       | 5.7  | S | 49        | 54.5 | W | 151      | 261     | Jose Bonifacio-12a08       |
| 60 | Pirangi                | 21       | 5.5  | S | 48        | 39.5 | W | 29       | 222     |                            |
| 15 | Clube Marte Ibirá      | 21       | 5.5  | S | 49        | 13.4 | W | 81       | 255     | Ibirá                      |
|    | Rosana Camargo         | 21       | 5.5  | S | 50        | 14.6 | W | 185      | 263     | Buritama                   |
|    | Faz Primavera 1        | 21       | 4.7  | S | 51        | 8.7  | W | 278      | 265     | Mirandopolis               |
|    | Faz Vassoural          | 21       | 4.4  | S | 48        | 1.9  | W | 50       | 113     | Pontal 2                   |
| 52 | Faz Vassoural          | 21       | 4.4  | S | 49        | 22.1 | W | 95       | 258     | Pontal 1                   |
|    | SJSD                   | 21       | 4.4  | S | 55        | 7.7  | W | 691      | 267     | Sidrolandia-S B09V12       |
|    | Mirandopoli3           | 21       | 4.1  | S | 51        | 8.1  | W | 277      | 266     |                            |
|    | 300 Km Heber           | 21       | 4.0  | S | 48        | 27.8 | W | 18       | 177     |                            |
|    | FAI 300 S              | 21       | 3.8  | S | 49        | 18.3 | W | 88       | 258     |                            |
|    | Faz Progresso          | 21       | 3.3  | S | 51        | 24.4 | W | 305      | 266     | Andradina                  |
|    | 300 Km Heber2          | 21       | 2.6  | S | 48        | 28.0 | W | 16       | 178     |                            |
|    | Akiko                  | 21       | 2.6  | S | 47        | 43.1 | W | 80       | 102     | RibeirãO Preto - Kiko - Sp |
| 79 | Potirendaba            | 21       | 2.6  | S | 49        | 22.6 | W | 95       | 260     |                            |
|    | SNRH                   | 21       | 2.3  | S | 45        | 52.3 | W | 271      | 94      | Boa Esperanca-R13c12       |
|    | Pontal                 | 21       | 2.0  | S | 48        | 0.6  | W | 50       | 107     |                            |
|    | Faz Agua Fria          | 21       | 1.8  | S | 50        | 55.5 | W | 255      | 266     | Lavinia                    |
|    | Castilho               | 21       | 1.3  | S | 51        | 35.8 | W | 325      | 267     |                            |
|    | SSRM                   | 21       | 1.2  | S | 56        | 16.6 | W | 810      | 268     | Bonito-S Sebast15v08       |
| 18 | Embauba                | 20       | 59.0 | S | 48        | 50.1 | W | 39       | 256     |                            |
|    | FAI 300 W              | 20       | 58.9 | S | 49        | 8.3  | W | 70       | 262     |                            |
|    | Faz Guadalupe          | 20       | 58.9 | S | 50        | 31.6 | W | 213      | 267     | Santo Antonio Aracanga     |
|    | SSME                   | 20       | 58.8 | S | 55        | 34.0 | W | 737      | 268     | Anastacio-Ipira02g10       |
|    | SIUQ                   | 20       | 58.6 | S | 54        | 20.1 | W | 609      | 268     | C Grande-Primav07a12       |
|    | Faz Grande Pista       | 20       | 58.4 | S | 48        | 36.1 | W | 16       | 239     |                            |
|    | Faz Sao Juliano        | 20       | 58.2 | S | 48        | 32.2 | W | 10       | 220     |                            |
|    | SIWQ                   | 20       | 58.0 | S | 53        | 4.7  | W | 478      | 268     | S Rita Pardo-Ma05t08       |
| 67 | Tabapua                | 20       | 58.0 | S | 49        | 1.9  | W | 58       | 263     |                            |
|    | FAI 500 W              | 20       | 57.6 | S | 49        | 28.1 | W | 104      | 266     |                            |
| 78 | Plaza Inn              | 20       | 57.0 | S | 48        | 29.6 | W | 5.9      | 201     |                            |
|    | S Sebastiao Paraiso    | 20       | 57.0 | S | 46        | 59.0 | W | 155      | 92      | Sao Sebastiao do Paraiso   |



|    | Way Point                  | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description            |
|----|----------------------------|----------|------|---|-----------|------|---|----------|---------|------------------------|
|    | Control Point 750 N-NE     | 20       | 56.9 | S | 48        | 27.6 | W | 5.6      | 166     |                        |
| 22 | Faz 3 Barras               | 20       | 56.9 | S | 48        | 11.3 | W | 30       | 100     | Pitangueiras           |
|    | SSIH                       | 20       | 56.8 | S | 52        | 43.3 | W | 441      | 269     | Brasilandia-For08t10   |
|    | SNSY                       | 20       | 56.7 | S | 56        | 29.8 | W | 833      | 268     | Bonito-S José-M06g08   |
|    | SISF                       | 20       | 56.5 | S | 56        | 40.4 | W | 852      | 268     | Bonito-S Felici06g10   |
|    | SSVY                       | 20       | 56.3 | S | 48        | 10.4 | W | 31       | 98      | Pitangueiras-Tr14g08   |
|    | SNFN                       | 20       | 56.2 | S | 47        | 52.1 | W | 63       | 94      | Jardinopolis-S 02G10   |
|    | Faz S Lucas                | 20       | 55.9 | S | 50        | 57.4 | W | 258      | 269     | Mirandopolis           |
|    | Faz Anhagai                | 20       | 55.6 | S | 50        | 44.6 | W | 236      | 269     | Aracatuba              |
|    | Andradina                  | 20       | 55.5 | S | 51        | 23.0 | W | 302      | 269     |                        |
|    | Faz Sta Fe                 | 20       | 55.5 | S | 47        | 52.1 | W | 63       | 93      | Jardinopolis           |
| 73 | Nipoa                      | 20       | 54.8 | S | 49        | 46.7 | W | 136      | 269     |                        |
|    | SSBW                       | 20       | 54.8 | S | 55        | 0.8  | W | 679      | 269     | Sidrolandia-Boa08g05   |
|    | Faz Flamboyant             | 20       | 54.4 | S | 51        | 34.5 | W | 322      | 269     | Castilho               |
| 10 | Cabeceira 31               | 20       | 54.2 | S | 48        | 28.0 | W | 0.7      | 118     | Bebedouro              |
| 7  | Bebedouro                  | 20       | 54.0 | S | 48        | 28.4 | W |          |         |                        |
|    | SDQN                       | 20       | 53.9 | S | 55        | 42.6 | W | 752      | 271     | Nioaque-Tangara17g06   |
| 9  | Cabeceira 13               | 20       | 53.8 | S | 48        | 28.8 | W | 0.8      | 296     | Bebedouro              |
|    | SNCA                       | 20       | 53.5 | S | 45        | 20.1 | W | 326      | 90      | C Belo-Campo Be10a14   |
|    | SIIE                       | 20       | 53.5 | S | 53        | 24.2 | W | 512      | 271     | Ribas Rio Pardo11t07   |
|    | Sta Cecilia                | 20       | 53.3 | S | 50        | 59.3 | W | 261      | 270     | Mirandopolis           |
|    | Faz Sta Ines               | 20       | 52.9 | S | 49        | 23.3 | W | 95       | 271     | Sao Jose do Rio Preto  |
|    | SWQZ                       | 20       | 52.7 | S | 53        | 33.2 | W | 528      | 271     | Ribas Rio Pardo13t09   |
| 11 | Cajobi                     | 20       | 52.7 | S | 48        | 48.4 | W | 35       | 274     |                        |
|    | Batatais                   | 20       | 52.6 | S | 47        | 35.1 | W | 92       | 89      |                        |
| 97 | Viradouro                  | 20       | 52.4 | S | 48        | 17.8 | W | 19       | 81      |                        |
|    | SIUA                       | 20       | 52.4 | S | 53        | 12.7 | W | 492      | 270     | S Rita Pardo-Ba18g09   |
|    | SSVO                       | 20       | 52.3 | S | 50        | 7.6  | W | 172      | 271     | Moncoes-Usina D15a10   |
|    | SISU                       | 20       | 52.2 | S | 53        | 9.3  | W | 486      | 270     | S Rita Pardo-Po15t08   |
|    | SWMI                       | 20       | 52.1 | S | 52        | 51.9 | W | 456      | 270     | Brasilandia-Esp04g11   |
|    | SSFP                       | 20       | 51.9 | S | 52        | 10.5 | W | 385      | 270     | Tres Lagoas-S P15T10   |
|    | Faz Sta Marina             | 20       | 51.3 | S | 50        | 46.8 | W | 240      | 271     | Santo Antonio Aracanga |
|    | Santo Antonio do Aracangua | 20       | 51.0 | S | 50        | 46.1 | W | 238      | 271     |                        |
|    | Faz Sta Maria 1            | 20       | 51.0 | S | 50        | 5.0  | W | 167      | 272     | Moncoes                |
|    | SSJT                       | 20       | 50.9 | S | 53        | 12.4 | W | 492      | 270     | Ribas Rio Pardo17t10   |
|    | SIUW                       | 20       | 50.7 | S | 52        | 17.9 | W | 397      | 270     | Tres Lagoas-Can01a13   |
|    | SDRH                       | 20       | 50.7 | S | 54        | 31.6 | W | 629      | 271     | C Grande-Chapar16v08   |
|    | Faz S Joaquim 1            | 20       | 49.8 | S | 51        | 0.5  | W | 264      | 271     | Pereira Barreto        |
|    | Faz Guanabara 1            | 20       | 49.3 | S | 51        | 16.2 | W | 291      | 271     | Andradina              |
|    | Pereira Barreto            | 20       | 49.1 | S | 51        | 0.1  | W | 263      | 272     |                        |
|    | Sao Jose do Rio Preto      | 20       | 49.0 | S | 49        | 24.4 | W | 97       | 275     | Sao Jose do Rio Preto  |

|    | Way Point          | Latitude  | Longitude | Distance | Bearing | Description                          |
|----|--------------------|-----------|-----------|----------|---------|--------------------------------------|
|    | Faz Ipanema 2      | 20 48.7 S | 51 17.6 W | 293      | 271     | Andradina                            |
| 24 | Faz B Agudo        | 20 48.6 S | 48 13.4 W | 28       | 69      | Morro Agudo                          |
|    | SSFJ               | 20 48.5 S | 54 37.2 W | 639      | 270     | C Grande-Retiro03t08                 |
|    | Mirassol           | 20 48.4 S | 49 29.1 W | 106      | 275     |                                      |
|    | SSAW               | 20 48.3 S | 54 4.7 W  | 582      | 270     | Ribas Rio Pardo18v08                 |
| 88 | Terra Roxa         | 20 47.2 S | 48 19.9 W | 19       | 50      |                                      |
|    | SSRH               | 20 46.7 S | 55 59.0 W | 780      | 270     | Anastacio-Retir03g09                 |
|    | FAI 500 West       | 20 46.6 S | 49 39.2 W | 123      | 276     |                                      |
|    | SJJB               | 20 46.6 S | 52 46.6 W | 447      | 271     | Brasilandia-Cac15t12                 |
|    | Urubupunga         | 20 46.6 S | 51 33.7 W | 321      | 272     | Castilho                             |
| 71 | Mte Aprazivel      | 20 46.4 S | 49 42.9 W | 130      | 276     |                                      |
|    | SIEV               | 20 46.0 S | 56 42.4 W | 856      | 270     | Bodoquena-Boca 15G09                 |
|    | Faz Entre Rios 1   | 20 45.9 S | 50 51.4 W | 248      | 273     | Sud Mennucci                         |
|    | Est Colorado       | 20 45.7 S | 47 51.7 W | 65       | 76      | Sales Oliveira                       |
|    | SSRI               | 20 45.5 S | 56 1.9 W  | 786      | 270     | Anastacio-Dos S18G08                 |
| 75 | Olimpia 2          | 20 45.4 S | 48 56.1 W | 51       | 288     |                                      |
|    | SSUQ               | 20 45.3 S | 55 2.6 W  | 683      | 270     | Sidrolandia-S O08g14                 |
|    | Olimpia 3          | 20 45.3 S | 48 54.7 W | 48       | 290     |                                      |
|    | SSTL               | 20 45.3 S | 51 41.0 W | 334      | 272     | Tres Lagoas-Tre07a10                 |
|    | Sud Mennucci       | 20 45.1 S | 50 51.0 W | 248      | 273     |                                      |
|    | Faz Mosquito       | 20 44.9 S | 47 53.4 W | 63       | 74      | Orlandia                             |
|    | SJIT               | 20 44.8 S | 46 45.2 W | 180      | 85      | Itau Minas-Itaú18a11                 |
|    | SIEB               | 20 44.8 S | 55 21.4 W | 716      | 270     | Dois Irmaos Bur06g06                 |
| 46 | Faz S Joao 3       | 20 44.7 S | 47 56.0 W | 59       | 73      | Orlandia                             |
|    | Auriflama          | 20 44.5 S | 50 31.9 W | 215      | 274     |                                      |
| 58 | Olimpia 1          | 20 44.3 S | 48 54.6 W | 49       | 292     |                                      |
|    | SSEO               | 20 44.1 S | 53 34.6 W | 531      | 271     | Ribas Rio Pardo16t10                 |
|    | SNOS               | 20 44.0 S | 46 39.6 W | 189      | 85      | Passos-Municipa14a15                 |
|    | SIK                | 20 43.9 S | 53 41.1 W | 542      | 271     | Ribas Rio Pardo16g06                 |
| 74 | Nuporanga          | 20 43.9 S | 47 43.9 W | 79       | 76      |                                      |
|    | Faz Sta Maria Mata | 20 43.6 S | 50 58.3 W | 260      | 274     | Sud Mennucci                         |
|    | Malibu             | 20 43.6 S | 51 35.3 W | 324      | 273     | Castilho                             |
|    | SNJJ               | 20 42.9 S | 55 22.8 W | 718      | 270     | Dois Irmaos Bur06v09                 |
| 16 | Colina             | 20 42.8 S | 48 32.4 W | 22       | 341     |                                      |
|    | FAI N NW           | 20 42.3 S | 49 24.4 W | 99       | 282     |                                      |
| 83 | Sta Paula          | 20 42.2 S | 49 23.5 W | 98       | 283     | Ipigua                               |
|    | SBFU               | 20 42.2 S | 46 20.2 W | 223      | 85      | S Jose Barra-Fu16a15                 |
| 36 | Faz Palmital       | 20 41.9 S | 48 17.2 W | 30       | 41      | Morro Agudo                          |
|    | CCGPos             | 20 41.5 S | 54 33.2 W | 632      | 271     | PortãO Posto                         |
| 4  | Baguacu            | 20 41.4 S | 49 4.1 W  | 66       | 291     | Olimpia                              |
|    | Ribeirao Preto     | 20 41.0 S | 47 19.5 W | 122      | 79      | CTR - Gnd - Fl 055 119,55 - 119.75 D |

|    | Way Point               | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description             |
|----|-------------------------|----------|------|---|-----------|------|---|----------|---------|-------------------------|
|    | CCGRet                  | 20       | 41.0 | S | 54        | 50.4 | W | 662      | 271     | Campo Grande Pos Retiro |
|    | Faz Bonanza 1           | 20       | 40.6 | S | 51        | 1.9  | W | 267      | 275     | Pereira Barreto         |
|    | SSBB                    | 20       | 40.5 | S | 56        | 37.8 | W | 848      | 270     | Bodoquena-Estre18a14    |
|    | SNVM                    | 20       | 39.9 | S | 52        | 46.0 | W | 447      | 273     | Brasilandia-Gua08g10    |
|    | Ribas do Rio Par        | 20       | 39.9 | S | 53        | 35.5 | W | 533      | 272     |                         |
|    | Faz Vista Alegre        | 20       | 39.7 | S | 50        | 50.5 | W | 248      | 276     | Sud Mennucci            |
|    | SICH                    | 20       | 39.6 | S | 52        | 20.4 | W | 403      | 273     | Tres Lagoas-Ser01a08    |
|    | Faz Sta Naria           | 20       | 39.2 | S | 47        | 24.9 | W | 113      | 76      | Franca                  |
|    | Faz Menina              | 20       | 38.7 | S | 51        | 28.6 | W | 314      | 275     | Itapura                 |
| 44 | Faz Turvo               | 20       | 38.5 | S | 48        | 29.1 | W | 29       | 357     | Jaborandi               |
|    | SIQD                    | 20       | 38.5 | S | 54        | 47.4 | W | 657      | 271     | Terenos-EstaNci04g08    |
|    | SNDU                    | 20       | 38.3 | S | 45        | 59.9 | W | 259      | 84      | Capitolio-Ponta03a06    |
| 86 | Tanabi                  | 20       | 37.6 | S | 49        | 39.0 | W | 126      | 284     |                         |
|    | Per Barreto             | 20       | 37.5 | S | 51        | 5.1  | W | 273      | 276     | Pereira Barreto         |
|    | CCGGra                  | 20       | 37.4 | S | 54        | 31.5 | W | 630      | 272     | Campo Grande Pos Granja |
|    | SSCS                    | 20       | 37.2 | S | 54        | 43.3 | W | 650      | 272     | C Grande-EstaNc17t11    |
|    | SJZF                    | 20       | 37.1 | S | 52        | 1.1  | W | 370      | 274     | Tres Lagoas-Cam12t12    |
| 52 | Ibitu                   | 20       | 36.8 | S | 48        | 46.0 | W | 44       | 316     | Barretos                |
| 84 | Restinga                | 20       | 36.2 | S | 47        | 29.0 | W | 108      | 72      |                         |
|    | SSIE                    | 20       | 36.0 | S | 54        | 36.1 | W | 638      | 272     | C Grande-Teruel06v15    |
| 33 | Faz Fortaleza Jaborandi | 20       | 35.8 | S | 48        | 22.4 | W | 35       | 17      |                         |
|    | Sao Joaquim da Barra    | 20       | 35.6 | S | 47        | 50.5 | W | 74       | 63      | Sao Joaquim da Barra    |
|    | Franca                  | 20       | 35.6 | S | 47        | 23.1 | W | 118      | 73      |                         |
| 5  | Barretos                | 20       | 35.1 | S | 48        | 35.7 | W | 37       | 340     |                         |
|    | Olimpia Twn             | 20       | 35.0 | S | 48        | 52.3 | W | 54       | 310     |                         |
| 26 | Faz Bananeira           | 20       | 34.8 | S | 49        | 4.8  | W | 72       | 299     | Altair                  |
|    | SIEF                    | 20       | 34.4 | S | 54        | 43.0 | W | 650      | 272     | C Grande-S José09v06    |
| 43 | Faz S Francisco 1       | 20       | 34.0 | S | 50        | 13.8 | W | 186      | 281     | Magda                   |
|    | SSHQ                    | 20       | 33.7 | S | 54        | 51.9 | W | 666      | 272     | Terenos-ParaiSo11v10    |
|    | Faz Sao Joao 2          | 20       | 33.4 | S | 49        | 17.3 | W | 93       | 294     | Nova Granada            |
|    | Faz S Jose 1            | 20       | 32.5 | S | 51        | 21.4 | W | 303      | 277     | Ilha Solteira           |
|    | Faz U Suzanopolis       | 20       | 31.9 | S | 51        | 5.5  | W | 275      | 278     | Suzanopolis             |
|    | Faz Sta Elisa 1         | 20       | 31.8 | S | 50        | 38.1 | W | 229      | 280     | Auriflama               |
|    | SSGE                    | 20       | 30.4 | S | 51        | 50.4 | W | 353      | 277     | Tres Lagoas-Per06t10    |
|    | SSKG                    | 20       | 30.3 | S | 54        | 31.5 | W | 631      | 273     | C Grande-EstaNc06a11    |
| 23 | Faz Alianca 1           | 20       | 30.3 | S | 48        | 2.7  | W | 63       | 45      | Ipuá                    |
|    | SNVK                    | 20       | 30.1 | S | 52        | 22.1 | W | 408      | 276     | Tres Lagoas-S T05T10    |
| 50 | Guaraci                 | 20       | 30.0 | S | 48        | 56.6 | W | 66       | 312     |                         |
|    | Acamp Arete             | 20       | 29.9 | S | 47        | 28.3 | W | 113      | 67      | Franca                  |
|    | SSAY                    | 20       | 29.5 | S | 54        | 28.4 | W | 626      | 273     | C Grande-SiTio 05a10    |
| 30 | Faz Constancia          | 20       | 29.3 | S | 49        | 11.3 | W | 87       | 301     | Altair                  |

|    | Way Point                | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description                |
|----|--------------------------|----------|------|---|-----------|------|---|----------|---------|----------------------------|
| 75 | Us Mandu                 | 20       | 28.9 | S | 48        | 22.4 | W | 48       | 13      | Guaira                     |
|    | SSHA                     | 20       | 28.9 | S | 55        | 46.2 | W | 760      | 272     | Aquidauana-Aero06v12       |
| 58 | Ibiporanga               | 20       | 28.6 | S | 49        | 34.4 | W | 124      | 292     |                            |
|    | SSKO                     | 20       | 28.6 | S | 55        | 50.0 | W | 767      | 272     | Anastacio-Indep13g08       |
|    | CCGAut                   | 20       | 28.5 | S | 54        | 27.8 | W | 625      | 273     | Campo Grande Pos Autodromo |
|    | SBCG                     | 20       | 28.2 | S | 54        | 40.2 | W | 646      | 273     | C Grande-Campo 06C26       |
|    | Ibiporanga da Felicidade | 20       | 28.0 | S | 49        | 31.8 | W | 120      | 293     | Tanabi                     |
| 48 | Faz Sonho Dourado        | 20       | 28.0 | S | 50        | 8.5  | W | 180      | 285     | Valentim Gentil            |
|    | SJJN                     | 20       | 28.0 | S | 52        | 41.2 | W | 441      | 276     | Agua Clara-Pont03t09       |
|    | SJVC                     | 20       | 27.6 | S | 49        | 32.0 | W | 121      | 294     | Tanabi-Ibiporan03v10       |
|    | Votuporanga              | 20       | 27.5 | S | 50        | 0.2  | W | 167      | 287     |                            |
|    | SSGC                     | 20       | 27.1 | S | 55        | 45.4 | W | 759      | 272     | Aquidauana-Gal 01a12       |
|    | CCGTer                   | 20       | 26.4 | S | 54        | 51.9 | W | 667      | 273     | Campo Grande Pos Terenos   |
|    | SNUH                     | 20       | 26.3 | S | 45        | 59.6 | W | 263      | 79      | Piumhi-Piumhi-M07g11       |
|    | SSXL                     | 20       | 26.1 | S | 56        | 20.1 | W | 820      | 272     | Miranda-Laguna-03g09       |
| 20 | Dr Heraclito M Luiz      | 20       | 26.0 | S | 48        | 13.5 | W | 58       | 26      | Guaira                     |
|    | CCGPon                   | 20       | 25.9 | S | 54        | 55.9 | W | 674      | 273     | PortãO Ponte               |
|    | SNVU                     | 20       | 25.9 | S | 46        | 51.6 | W | 176      | 73      | Cassia-Itatuba-09g07       |
| 29 | Faz California 1         | 20       | 25.8 | S | 48        | 36.1 | W | 54       | 346     | Barretos                   |
| 28 | Faz Brumado              | 20       | 25.8 | S | 48        | 33.7 | W | 53       | 350     | Barretos                   |
|    | SNFO                     | 20       | 23.7 | S | 45        | 29.0 | W | 316      | 80      | Formiga-Formiga02v10       |
| 6  | Barroso Duv              | 20       | 23.2 | S | 48        | 54.9 | W | 73       | 321     | Barroso/MG                 |
|    | SISS                     | 20       | 23.1 | S | 53        | 24.1 | W | 516      | 276     | Ribas Rio Pardo16g08       |
|    | Faz Bonito               | 20       | 23.0 | S | 51        | 11.7 | W | 289      | 281     | Ilha Solteira              |
|    | SIFC                     | 20       | 22.9 | S | 56        | 16.1 | W | 813      | 273     | Miranda-Cachoei03v08       |
|    | Faz da Prata Piste       | 20       | 22.6 | S | 48        | 4.9  | W | 71       | 35      |                            |
|    | Ccgare                   | 20       | 22.5 | S | 54        | 23.6 | W | 619      | 274     | Campo Grande Pos Areia     |
|    | Ituverava                | 20       | 22.5 | S | 47        | 46.1 | W | 94       | 52      |                            |
|    | SNQO                     | 20       | 22.5 | S | 56        | 32.5 | W | 842      | 273     | Bodoquena-Campa07g06       |
|    | Faz S Martinho           | 20       | 21.4 | S | 51        | 15.1 | W | 295      | 281     | Ilha Solteira              |
|    | SIMW                     | 20       | 21.3 | S | 53        | 58.1 | W | 575      | 275     | Jaraguari-Retir17t12       |
|    | SSJE                     | 20       | 21.1 | S | 51        | 33.4 | W | 327      | 280     | Selviria-S Joaq14t12       |
| 27 | Faz Barreiro Grande      | 20       | 20.9 | S | 48        | 46.5 | W | 69       | 333     | Colombia                   |
|    | SSYR                     | 20       | 20.9 | S | 52        | 19.4 | W | 405      | 278     | Tres Lagoas-S M09T10       |
|    | SJIS                     | 20       | 20.8 | S | 53        | 27.4 | W | 522      | 276     | Ribas Rio Pardo08t11       |
|    | SDTS                     | 20       | 20.5 | S | 54        | 24.9 | W | 622      | 275     | Jaraguari-Plana02g09       |
|    | Faz Recanto Cachoeira    | 20       | 20.4 | S | 47        | 28.4 | W | 121      | 59      | Cristais Paulista          |
|    | SSEI                     | 20       | 20.3 | S | 56        | 41.9 | W | 858      | 273     | Miranda-Santo A17g10       |
|    | Alime                    | 20       | 20.3 | S | 46        | 25.1 | W | 223      | 74      | Vargem Bonita MG           |
|    | Adelf                    | 20       | 20.2 | S | 46        | 51.0 | W | 180      | 70      | Delfinopolis MG            |
| 49 | Guaira                   | 20       | 19.8 | S | 48        | 19.0 | W | 65       | 14      |                            |

|    | Way Point               | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description   |
|----|-------------------------|----------|------|---|-----------|------|---|----------|---------|---|
| 35 | Faz Naisa               | 20       | 19.8 | S | 48        | 48.6 | W | 72       | 331     | Colombia  |
|    | SDTW                    | 20       | 19.6 | S | 55        | 6.0  | W | 693      | 274     | Terenos-S JoãO-06g09  |
| 37 | Faz Paloma              | 20       | 19.3 | S | 48        | 50.0 | W | 75       | 330     | Colombia  |
|    | SIUV                    | 20       | 19.1 | S | 51        | 47.0 | W | 351      | 280     | Selviria-S Math10t10  |
|    | SSSR                    | 20       | 19.0 | S | 52        | 44.0 | W | 448      | 278     | Agua Clara-S Ro09t05  |
| 55 | Jurupeba                | 20       | 18.7 | S | 49        | 22.9 | W | 115      | 305     | Palestina   |
| 42 | Faz Posses R Gde 2      | 20       | 18.6 | S | 48        | 58.6 | W | 84       | 321     | Guaraci   |
|    | SSBM                    | 20       | 17.9 | S | 55        | 25.6 | W | 727      | 274     | Dois Irmaos Bur01g07  |
| 39 | Faz Posses R Gde 1      | 20       | 17.7 | S | 48        | 59.1 | W | 86       | 322     | Guaraci   |
| 54 | Frigo Estrela           | 20       | 17.7 | S | 50        | 24.8 | W | 213      | 288     | Estrela d'Oeste   |
| 65 | Jales                   | 20       | 17.5 | S | 50        | 32.7 | W | 226      | 287     |   |
|    | FAI 750 W               | 20       | 17.4 | S | 50        | 35.1 | W | 230      | 287     |   |
| 47 | Fronteira               | 20       | 16.7 | S | 49        | 11.3 | W | 102      | 313     | MG  |
| 72 | Us Colorado             | 20       | 16.6 | S | 48        | 10.9 | W | 76       | 24      | Guaira  |
| 53 | Fernandopolis           | 20       | 16.6 | S | 50        | 12.8 | W | 194      | 291     |   |
|    | SJHP                    | 20       | 16.6 | S | 53        | 39.7 | W | 544      | 276     | Ribas Rio Pardo04g07  |
|    | SSIG                    | 20       | 16.2 | S | 55        | 43.7 | W | 758      | 274     | Aquidauana-S Ma15g09  |
| 32 | Faz Campo Grande        | 20       | 15.4 | S | 48        | 47.3 | W | 79       | 335     | Colombia  |
| 21 | Duploceu                | 20       | 15.1 | S | 49        | 33.0 | W | 133      | 303     |   |
|    | SIKK                    | 20       | 15.0 | S | 45        | 38.7 | W | 303      | 77      | Arcos-CalciolaN14t08  |
|    | SSOD                    | 20       | 14.9 | S | 56        | 24.9 | W | 830      | 274     | Miranda-Pouso A14v09  |
|    | SJZE                    | 20       | 14.4 | S | 52        | 23.2 | W | 414      | 280     | Tres Lagoas-Bri11t10  |
| 31 | Faz Continental         | 20       | 14.2 | S | 48        | 39.1 | W | 76       | 346     | Colombia  |
|    | Faz 3 Irmaos            | 20       | 13.7 | S | 50        | 58.1 | W | 270      | 286     | Santa Fe do Sul   |
|    | SWJQ                    | 20       | 13.6 | S | 51        | 50.8 | W | 359      | 281     | Selviria-Colibr07t09  |
| 44 | Faz Sao Joao 1b         | 20       | 13.0 | S | 49        | 4.0  | W | 98       | 321     | Guaraci   |
|    | Out and Return 500 West | 20       | 12.9 | S | 50        | 45.7 | W | 250      | 287     |   |
|    | CCGCas                  | 20       | 12.2 | S | 54        | 42.6 | W | 654      | 276     | Campo Grande Pos Cascata  |
|    | C Grande                | 20       | 12.1 | S | 54        | 15.3 | W | 607      | 276     | Campo Grande TMA - FL 045 - Fl 145 CTR - Gnd - Fl 045 119.35 - 119.65 - 120.2 D |
|    | SSGF                    | 20       | 11.8 | S | 53        | 13.4 | W | 501      | 278     | Ribas Rio Pardo02a10  |
|    | Buritizal               | 20       | 11.5 | S | 47        | 42.5 | W | 112      | 45      |   |
| 40 | Faz Sao Joao 1a         | 20       | 11.4 | S | 49        | 3.0  | W | 99       | 323     | Guaraci   |
|    | SSDQ                    | 20       | 11.0 | S | 56        | 38.1 | W | 854      | 274     | Miranda-Marema-04g07  |
| 68 | Miguelopolis            | 20       | 10.8 | S | 48        | 1.9  | W | 92       | 30      |   |
|    | Estreito                | 20       | 10.6 | S | 47        | 17.5 | W | 147      | 57      |   |
|    | SITR                    | 20       | 10.4 | S | 55        | 4.2  | W | 692      | 276     | Terenos-CóRrego03g11  |
|    | SSEL                    | 20       | 10.2 | S | 52        | 56.0 | W | 471      | 279     | Agua Clara-Jati06g08  |
|    | Estreito Duv            | 20       | 9.9  | S | 47        | 17.0 | W | 148      | 57      | Estreito  |
|    | Faz Sao Paulo           | 20       | 9.4  | S | 49        | 56.1 | W | 173      | 298     | Cardoso   |
|    | SJRP                    | 20       | 8.0  | S | 56        | 22.3 | W | 827      | 275     | Miranda-SantaNg06v12  |
| 46 | Foz Sapucaí             | 20       | 7.7  | S | 48        | 26.7 | W | 86       | 2       | Miguelopolis  |

|    | Way Point            | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description           |
|----|----------------------|----------|------|---|-----------|------|---|----------|---------|-----------------------|
| 61 | Planura MG           | 20       | 7.6  | S | 48        | 42.1 | W | 89       | 345     |                       |
| 3  | Apar Minas           | 20       | 6.7  | S | 49        | 13.9 | W | 118      | 318     | Aparecida de Minas/MG |
|    | Us Guariroba         | 20       | 6.3  | S | 49        | 46.2 | W | 161      | 303     | Cardoso               |
|    | SIBA                 | 20       | 6.0  | S | 55        | 55.6 | W | 781      | 275     | Aquidauana-Jato14g06  |
| 74 | Us Frutal            | 20       | 5.6  | S | 48        | 49.1 | W | 97       | 338     | Frutal/MG             |
|    | Aparecido do Taboado | 20       | 5.3  | S | 51        | 8.8  | W | 293      | 287     | 35M                   |
|    | SSYM                 | 20       | 5.2  | S | 56        | 37.0 | W | 853      | 275     | Miranda-Tuiuiu-02v08  |
|    | Planura              | 20       | 5.2  | S | 48        | 45.3 | W | 95       | 342     |                       |
|    | SIQU                 | 20       | 5.2  | S | 51        | 18.5 | W | 309      | 287     | Apar Taboado-AI01v10  |
|    | SSQO                 | 20       | 5.0  | S | 53        | 53.3 | W | 571      | 278     | Ribas Rio Pardo09g06  |
| 9  | Cardoso              | 20       | 5.0  | S | 49        | 54.9 | W | 175      | 301     |                       |
|    | SSYN                 | 20       | 4.9  | S | 56        | 40.1 | W | 858      | 275     | Miranda-Arrozei08v07  |
|    | SSGH                 | 20       | 4.4  | S | 56        | 4.1  | W | 796      | 275     | Aquidauana-Capã10v10  |
|    | SNLY                 | 20       | 3.9  | S | 45        | 33.4 | W | 318      | 74      | Lagoa Prata-Lag05a10  |
|    | SSQU                 | 20       | 3.9  | S | 55        | 42.1 | W | 759      | 276     | Aquidauana-Aleg10t06  |
|    | SSOP                 | 20       | 2.6  | S | 51        | 28.5 | W | 327      | 286     | Apar Taboado-Ca03t13  |
|    | Jaguara              | 20       | 2.4  | S | 47        | 25.3 | W | 145      | 49      | Sacramento/MG         |
|    | SSSP                 | 20       | 2.4  | S | 56        | 18.6 | W | 822      | 275     | Miranda-S Delfi10g11  |
|    | SSFO                 | 20       | 2.4  | S | 56        | 19.2 | W | 823      | 275     | Miranda-Novo Ho03g08  |
|    | FAI 300 N            | 20       | 2.3  | S | 48        | 44.0 | W | 100      | 344     |                       |
|    | SNBY                 | 20       | 2.1  | S | 45        | 58.3 | W | 278      | 70      | Bambui-Bambui-M09a12  |
|    | Us Mendonca          | 20       | 2.1  | S | 47        | 37.8 | W | 130      | 43      | Uberaba/MG            |
| 14 | Conc Alagoas 1       | 20       | 2.0  | S | 48        | 14.0 | W | 100      | 15      | Volta Grande/MG       |
| 76 | Paulo Faria 2        | 20       | 1.9  | S | 49        | 23.0 | W | 135      | 315     |                       |
| 59 | Paulo Faria 1        | 20       | 1.8  | S | 49        | 24.0 | W | 137      | 315     | Paulo de Faria        |
|    | SJWW                 | 20       | 1.3  | S | 53        | 13.0 | W | 504      | 280     | Agua Clara-Cach14a12  |
|    | Faz Bela Manha       | 20       | 1.1  | S | 50        | 54.0 | W | 271      | 291     | Santa Clara d'Oeste   |
|    | SSEK                 | 20       | 1.1  | S | 53        | 15.2 | W | 507      | 280     | Ribas Rio Pardo06t08  |
|    | Conc Alagoas 2       | 20       | 0.5  | S | 48        | 15.0 | W | 102      | 13      | Volta Grande/MG       |
|    | Junqueira            | 20       | 0.4  | S | 47        | 48.5 | W | 121      | 35      | Igarapava             |
| 48 | Frutal               | 20       | 0.3  | S | 48        | 57.7 | W | 112      | 333     | MG                    |
|    | SSBF                 | 20       | 0.3  | S | 51        | 23.2 | W | 319      | 288     | Apar Taboado-JI07v10  |
|    | SDWK                 | 20       | 0.1  | S | 47        | 46.0 | W | 124      | 36      | Igarapava-Junqu02a07  |
|    | Faz Sao Sebastiao 2  | 19       | 59.8 | S | 47        | 30.9 | W | 142      | 45      | Rifaina               |
|    | SIZH                 | 19       | 59.6 | S | 51        | 30.9 | W | 332      | 287     | Apar Taboado-Vi01t10  |
|    | Faz Agronet          | 19       | 59.4 | S | 50        | 16.0 | W | 212      | 298     | Indiapora             |
| 65 | Riolandia 1          | 19       | 58.9 | S | 49        | 40.8 | W | 162      | 309     |                       |
| 80 | Riolandia 2          | 19       | 58.8 | S | 49        | 40.9 | W | 162      | 309     |                       |
|    | SSOJ                 | 19       | 58.8 | S | 51        | 44.1 | W | 355      | 286     | Inocencia-Estre09g09  |
|    | SNVO                 | 19       | 58.7 | S | 50        | 58.1 | W | 279      | 291     | Carneirinho-Pon16t10  |
|    | SSIW                 | 19       | 58.6 | S | 56        | 26.2 | W | 836      | 276     | Miranda-Damaro-01v05  |

|    | Way Point           | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description                                |
|----|---------------------|----------|------|---|-----------|------|---|----------|---------|--|
|    | SSEX                | 19       | 58.0 | S | 56        | 18.6 | W | 823      | 276     | Miranda-EstaNci04v12                       |
| 34 | Faz N Sao Aparecida | 19       | 56.9 | S | 48        | 35.0 | W | 106      | 354     | Pirajuba/MG                                |
|    | SNAF                | 19       | 56.8 | S | 48        | 2.0  | W | 115      | 23      | Agua Comprida-Á10g06                       |
|    | Us Delta 1          | 19       | 56.5 | S | 47        | 46.3 | W | 129      | 35      | Delta/MG                                   |
| 71 | Us Cerradao         | 19       | 55.5 | S | 49        | 9.2  | W | 130      | 327     | Frutal/MG                                  |
|    | SJID                | 19       | 55.0 | S | 52        | 37.9 | W | 447      | 283     | Tres Lagoas-Goi10t12                       |
| 61 | Itapagipe 2         | 19       | 54.5 | S | 49        | 22.9 | W | 145      | 319     |  |
|    | SSYS                | 19       | 54.5 | S | 52        | 32.2 | W | 438      | 284     | Tres Lagoas-Imb18t08                       |
| 53 | Itapagipe 1         | 19       | 54.2 | S | 49        | 22.2 | W | 145      | 320     |  |
|    | SSNA                | 19       | 54.0 | S | 56        | 26.4 | W | 838      | 276     | Miranda-EstaNci06v11                       |
|    | Sacramento          | 19       | 53.6 | S | 47        | 25.3 | W | 157      | 45      | MG   |
|    | Faz Paiquere        | 19       | 53.3 | S | 50        | 30.9 | W | 241      | 298     | Populina MG                                |
|    | SNAW                | 19       | 52.6 | S | 47        | 40.8 | W | 141      | 36      | Conquista-Boa F06T07                       |
|    | SSKX                | 19       | 52.3 | S | 50        | 39.3 | W | 254      | 296     | Carneirinho-S L17G11                       |
|    | FAI 500 NE          | 19       | 51.5 | S | 47        | 15.5 | W | 172      | 48      |  |
|    | SJSF                | 19       | 50.5 | S | 49        | 41.3 | W | 173      | 313     | S Francisco Sal09g11                       |
|    | Faz M Velha         | 19       | 50.3 | S | 47        | 51.0 | W | 135      | 29      | Uberaba/MG                                 |
|    | SIDR                | 19       | 50.1 | S | 56        | 42.2 | W | 866      | 276     | Miranda-Retiro 18G05                       |
| 2  | Agrop Barrinha      | 19       | 49.9 | S | 49        | 40.8 | W | 173      | 313     | Sao Francisco Sales/MG                     |
|    | SJHT                | 19       | 49.9 | S | 54        | 49.8 | W | 673      | 279     | Corguinho-Anb-M04g09                       |
|    | SSYU                | 19       | 49.6 | S | 52        | 35.2 | W | 445      | 285     | Agua Clara-TreS16t07                       |
|    | SIGU                | 19       | 48.9 | S | 53        | 49.5 | W | 571      | 281     | Ribas Rio Pardo06a12                       |
| 73 | Us Coruripe         | 19       | 48.9 | S | 48        | 44.3 | W | 124      | 347     | Campo Florido/MG                           |
|    | SSZY                | 19       | 48.6 | S | 50        | 46.9 | W | 269      | 296     | Carneirinho-Car04v09                       |
|    | V Dinossauros       | 19       | 47.1 | S | 47        | 48.7 | W | 142      | 29      | Uberaba/MG                                 |
|    | SIFA                | 19       | 47.1 | S | 56        | 28.4 | W | 843      | 277     | Miranda-Sete-Ms13g08                       |
|    | Barreiro            | 19       | 46.5 | S | 48        | 8.6  | W | 130      | 15      | Uberaba/MG                                 |
|    | SITX                | 19       | 46.5 | S | 55        | 31.3 | W | 745      | 278     | Aquidauana-Chap15g07                       |
|    | Uberaba MG          | 19       | 45.9 | S | 47        | 57.9 | W | 137      | 23      |  |
| 18 | Cpo Florido         | 19       | 45.8 | S | 48        | 34.3 | W | 127      | 355     | Campo Florido                              |
|    | Uberaba TMA         | 19       | 45.5 | S | 47        | 2.2  | W | 196      | 50      | FL 055 - Fl 145 CTR - Gnd - Fl 055 120.8 D |
|    | SSKD                | 19       | 45.0 | S | 55        | 28.0 | W | 740      | 279     | Aquidauana-Uniã15v11                       |
|    | SSXZ                | 19       | 44.9 | S | 50        | 7.8  | W | 215      | 306     | Iturama-S Rosa-02t09                       |
|    | SJEF                | 19       | 44.8 | S | 56        | 2.5  | W | 799      | 278     | Aquidauana-Cost14g05                       |
| 38 | Faz Parafuso        | 19       | 44.5 | S | 49        | 51.4 | W | 193      | 312     | Honoropolis/MG                             |
|    | SJUQ                | 19       | 44.4 | S | 52        | 36.4 | W | 450      | 286     | Tres Lagoas-Vis02g08                       |
|    | SSYV                | 19       | 43.6 | S | 52        | 51.1 | W | 475      | 285     | Agua Clara-Prog18t10                       |
|    | SNRA                | 19       | 43.6 | S | 46        | 21.2 | W | 257      | 60      | Pratinha-Santo 09T09                       |
|    | SSSW                | 19       | 43.3 | S | 51        | 57.0 | W | 386      | 289     | Inocencia-S Mar14t08                       |
|    | Iturama             | 19       | 43.0 | S | 50        | 13.2 | W | 225      | 306     | MG   |
|    | SSAG                | 19       | 43.0 | S | 52        | 43.5 | W | 463      | 286     | Agua Clara-Agro10t09                       |

|    | Way Point         | Latitude  | Longitude | Distance | Bearing | Description          |
|----|-------------------|-----------|-----------|----------|---------|----------------------|
| 17 | Comendador Gomes  | 19 41.8 S | 49 5.0 W  | 148      | 334     |                      |
| 45 | Faz Vale Verde    | 19 40.3 S | 48 59.7 W | 147      | 338     | Comendador Gomes     |
|    | SNEW              | 19 39.8 S | 50 57.1 W | 293      | 298     | Carneirinho-Con11a14 |
|    | SSPN              | 19 39.1 S | 51 11.9 W | 316      | 296     | Paranaiba-Paran14a13 |
|    | SIIU              | 19 38.6 S | 48 42.0 W | 142      | 350     | C Florido-S Mar15v08 |
| 43 | Faz Sta Marta     | 19 38.5 S | 48 42.7 W | 142      | 350     | Campo Florido/MG     |
| 42 | Faz Sao Sebastiao | 19 38.2 S | 48 47.4 W | 144      | 347     | Campo Florido/MG     |
|    | SIAO              | 19 37.8 S | 55 15.1 W | 721      | 280     | Corguinho-Arara09v10 |
|    | SIUR              | 19 36.5 S | 53 30.0 W | 544      | 284     | Camapua-Ribeirã13t08 |
|    | SSBE              | 19 35.9 S | 54 1.1 W  | 596      | 283     | Camapua-Camapuã15a12 |
|    | SJWC              | 19 35.2 S | 52 57.1 W | 489      | 287     | Agua Clara-Noss04t12 |
|    | SSOQ              | 19 34.7 S | 56 9.1 W  | 814      | 279     | Aquidauana-Barr09g09 |
|    | SJBT              | 19 34.5 S | 56 6.0 W  | 809      | 279     | Aquidauana-S Jo16t06 |
|    | SSGX              | 19 34.1 S | 56 14.7 W | 824      | 279     | Aquidauana-Rio 01G09 |
| 51 | Honoropolis       | 19 33.9 S | 50 0.8 W  | 219      | 312     | MG                   |
|    | SBAX              | 19 33.6 S | 46 57.9 W | 217      | 47      | Araxa-Araxa-MG 15a19 |
| 56 | Monjolinho        | 19 33.4 S | 49 15.2 W | 170      | 331     | Prata/MG 2           |
|    | SNYN              | 19 33.1 S | 48 50.2 W | 155      | 346     | Prata-Rio Das P18T09 |
| 12 | Campina Verde     | 19 33.1 S | 49 29.8 W | 184      | 324     | MG                   |
|    | SNCV              | 19 32.3 S | 49 29.7 W | 185      | 325     | Campina Verde-C14t10 |
| 62 | Pous R das Pedras | 19 32.0 S | 48 50.3 W | 157      | 346     | Prata/MG             |
|    | SSZX              | 19 31.6 S | 50 58.2 W | 302      | 300     | Paranaiba-Lapa 17V15 |
|    | SNUF              | 19 31.5 S | 47 51.1 W | 166      | 23      | Uberaba-Treis C02G10 |
|    | SJIQ              | 19 31.4 S | 50 39.3 W | 274      | 304     | Limeira Oeste-U05t09 |
|    | SJDT              | 19 31.1 S | 55 18.7 W | 730      | 281     | Aquidauana-S Ro06g05 |
|    | SJSJ              | 19 30.9 S | 52 36.3 W | 458      | 289     | Agua Clara-S Jo18g10 |
| 19 | Curva do Anjo     | 19 30.8 S | 49 40.7 W | 199      | 321     | Campina Verde/MG     |
|    | SSNJ              | 19 30.4 S | 55 54.3 W | 791      | 280     | Aquidauana-Prim16g11 |
|    | SJJW              | 19 30.3 S | 55 36.8 W | 761      | 281     | Aquidauana-S Em05c05 |
|    | SSZU              | 19 29.7 S | 53 2.4 W  | 502      | 287     | Agua Clara-Tres09v10 |
|    | SIWZ              | 19 29.1 S | 56 29.2 W | 851      | 279     | Aquidauana-Faze07g10 |
|    | SSIB              | 19 28.8 S | 52 48.8 W | 480      | 288     | Agua Clara-Suel13t08 |
|    | SSKB              | 19 28.5 S | 56 22.6 W | 840      | 279     | Aquidauana-Tupa15g07 |
|    | SSHU              | 19 27.5 S | 56 2.7 W  | 806      | 280     | Aquidauana-Cent12g07 |
|    | Dores do Indaia   | 19 27.4 S | 45 35.1 W | 342      | 62      |                      |
|    | SJDN              | 19 27.4 S | 55 44.5 W | 775      | 281     | Aquidauana-Camp06g05 |
|    | SIPU              | 19 26.9 S | 47 21.8 W | 199      | 36      | Perdizes-Lagoa 07T09 |
|    | SDXT              | 19 26.1 S | 55 3.8 W  | 707      | 282     | Rio Negro-Boa V01V07 |
|    | SSGO              | 19 25.8 S | 54 35.2 W | 659      | 283     | S Gabriel Oeste15v11 |
|    | SJDX              | 19 24.7 S | 55 33.0 W | 757      | 281     | Aquidauana-Band08g05 |
|    | SITY              | 19 24.2 S | 55 51.8 W | 789      | 281     | Aquidauana-S Ge09g07 |



|    | Way Point              | Latitude  | Longitude | Distance | Bearing | Description          |
|----|------------------------|-----------|-----------|----------|---------|----------------------|
|    | Faz Sta Vitoria        | 19 23.1 S | 48 16.4 W | 170      | 7       | Uberaba/MG           |
|    | SSJU                   | 19 22.9 S | 52 18.6 W | 435      | 292     | Inocencia-S Pau07g08 |
|    | SISX                   | 19 22.6 S | 56 3.4 W  | 809      | 281     | Aquidauana-S TH07G04 |
|    | SJVL                   | 19 22.2 S | 47 7.7 W  | 221      | 40      | Perdizes-Cachoe08v09 |
|    | SJQD                   | 19 22.1 S | 56 20.9 W | 840      | 280     | Aquidauana-S Ro03g08 |
|    | SNHR                   | 19 21.8 S | 47 21.6 W | 207      | 34      | Perdizes-ÁGua S11V09 |
|    | Asgot                  | 19 21.0 S | 46 6.1 W  | 302      | 56      | S Gotardo-MG - 17t11 |
|    | SSJL                   | 19 20.9 S | 53 46.2 W | 579      | 286     | Camapua-Jamaica05t08 |
|    | SJRW                   | 19 20.5 S | 52 41.4 W | 473      | 291     | Agua Clara-Pch 10a16 |
| 63 | Prata                  | 19 20.1 S | 48 56.6 W | 181      | 344     | MG                   |
|    | SSXQ                   | 19 19.7 S | 51 58.4 W | 405      | 295     | Inocencia-Jota 10T09 |
|    | SJHS                   | 19 19.1 S | 48 20.9 W | 176      | 4       | Uberlandia-S Vi12t12 |
|    | SJOK                   | 19 18.9 S | 52 58.6 W | 502      | 290     | Agua Clara-Mode03g08 |
| 64 | R da Prata             | 19 18.3 S | 49 22.1 W | 200      | 332     | Ituiutaba/MG         |
|    | SNHE                   | 19 18.1 S | 48 12.2 W | 180      | 9       | Uberaba-Inhumas10t09 |
|    | SSKC                   | 19 17.6 S | 52 3.6 W  | 415      | 295     | Inocencia-UniãO13t06 |
|    | SJBS                   | 19 16.1 S | 56 1.9 W  | 810      | 282     | Corumba-Livrame09g05 |
|    | SSZG                   | 19 15.4 S | 52 53.8 W | 497      | 291     | Agua Clara-S Jo04t10 |
|    | SJUH                   | 19 14.3 S | 47 29.9 W | 211      | 29      | Pedrinopolis-La12t10 |
| 66 | Sintagro               | 19 13.6 S | 48 56.0 W | 192      | 345     | Prata/MG             |
|    | SNRP                   | 19 12.8 S | 46 14.4 W | 299      | 52      | Rio Paranaiba-R16t10 |
|    | SNNT                   | 19 11.9 S | 47 43.7 W | 205      | 23      | N Ponte-Nova Po12a15 |
|    | SJDA                   | 19 11.5 S | 48 7.0 W  | 194      | 11      | Uberaba-Cruzeir12v10 |
|    | FAI 750 N              | 19 10.0 S | 48 58.2 W | 200      | 345     |                      |
| 41 | Faz Sao Joao 4a        | 19 9.9 S  | 49 7.3 W  | 204      | 341     | Prata/MG             |
|    | SNLI                   | 19 9.4 S  | 45 29.8 W | 366      | 59      | Abaete-Abaeté-M17a12 |
|    | SIQC                   | 19 9.4 S  | 52 59.8 W | 511      | 292     | Costa Rica-Para06g10 |
|    | SSCL                   | 19 8.8 S  | 51 41.1 W | 388      | 300     | Cassilandia-Cas13a09 |
|    | SJIL                   | 19 5.9 S  | 55 50.9 W | 796      | 283     | Corumba-S BaRba03g04 |
|    | SIYE                   | 19 5.8 S  | 55 34.2 W | 768      | 284     | Aquidauana-Camp05g06 |
|    | SNHD                   | 19 4.7 S  | 48 7.8 W  | 206      | 10      | Uberlandia-Flor12t11 |
|    | SSDJ                   | 19 3.0 S  | 54 3.9 W  | 619      | 288     | Camapua-Bonanza06g05 |
|    | SSYC                   | 19 3.0 S  | 52 57.8 W | 512      | 293     | Chapadao Sul-Mi12t08 |
|    | SNGO                   | 19 2.9 S  | 48 34.9 W | 206      | 357     | Uberlandia-Nova17g12 |
|    | Faz B Vista Mte Alegre | 19 2.8 S  | 48 58.4 W | 213      | 346     | Minas/MG             |
|    | SWJL                   | 19 2.5 S  | 51 15.6 W | 357      | 305     | Itaja-Invernada14t08 |
|    | SSBA                   | 19 1.9 S  | 53 40.3 W | 582      | 290     | Camapua-Bela Vi11t09 |
|    | SSWX                   | 19 1.7 S  | 56 17.4 W | 843      | 283     | Corumba-Retiro 12G05 |
|    | SSLB                   | 19 1.5 S  | 55 55.6 W | 806      | 284     | Corumba-S Pauli07g05 |
|    | SIEX                   | 19 0.5 S  | 50 25.9 W | 293      | 315     | S Vitoria-S Joa03a11 |
|    | SJSM                   | 19 0.4 S  | 50 57.1 W | 334      | 309     | Itaruma-S Rita-16g08 |

| Way Point          | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description           |
|--------------------|----------|------|---|-----------|------|---|----------|---------|-----------------------|
| SNYB               | 19       | 0.1  | S | 49        | 29.2 | W | 236      | 333     | Ituiutaba-Ituiu03a18  |
| SWZM               | 18       | 59.3 | S | 50        | 34.0 | W | 305      | 314     | S Simao-Usina S10a17  |
| SIYH               | 18       | 58.9 | S | 55        | 17.5 | W | 744      | 285     | Rio Verde Mato 17G06  |
| SWNT               | 18       | 57.9 | S | 50        | 47.9 | W | 325      | 311     | Cacu-Santo Antô03g09  |
| SJBZ               | 18       | 57.4 | S | 51        | 6.5  | W | 350      | 308     | Itaruma-TreS Ba18t08  |
| SSYY               | 18       | 57.1 | S | 53        | 9.0  | W | 535      | 293     | Costa Rica-Fund09t10  |
| SNND               | 18       | 56.1 | S | 49        | 29.3 | W | 243      | 334     | Ituiutaba-Berti16a08  |
| SSWC               | 18       | 56.0 | S | 53        | 4.2  | W | 528      | 294     | Costa Rica-Camp18g08  |
| SNPJ               | 18       | 54.5 | S | 46        | 59.0 | W | 271      | 35      | Patrocinio-Patr05a12  |
| SSKA               | 18       | 54.3 | S | 56        | 21.6 | W | 854      | 284     | Corumba-Campina01g06  |
| SJVQ               | 18       | 53.4 | S | 49        | 17.2 | W | 239      | 339     | Canapolis-TriaL03v08  |
| SBUL               | 18       | 53.0 | S | 48        | 13.5 | W | 226      | 7       | Uberlandia-Ten-04a19  |
| SSYF               | 18       | 52.3 | S | 48        | 43.2 | W | 227      | 353     | M Alegre Minas-04t12  |
| SIFR               | 18       | 52.2 | S | 47        | 33.6 | W | 245      | 23      | Romaria-Romaria08a10  |
| Mte Alegre Minas   | 18       | 52.1 | S | 48        | 55.1 | W | 231      | 348     | Monte Algred Minas/MG |
| SNGM               | 18       | 51.8 | S | 48        | 24.9 | W | 227      | 2       | Uberlandia-Cana05v12  |
| SSJB               | 18       | 51.4 | S | 54        | 20.9 | W | 655      | 289     | S Gabriel Oeste03v08  |
| SSJM               | 18       | 51.0 | S | 52        | 30.0 | W | 479      | 298     | Chapadao Sul-Jú05v15  |
| Agcar              | 18       | 50.9 | S | 45        | 51.9 | W | 356      | 51      | Tiros - MG - 11t12    |
| SSCD               | 18       | 50.3 | S | 52        | 29.2 | W | 478      | 298     | Chapadao Sul-Ch05a20  |
| SNWL               | 18       | 50.0 | S | 51        | 47.5 | W | 416      | 303     | Apore-Ranchinho14g09  |
| SJVF               | 18       | 49.1 | S | 53        | 51.9 | W | 610      | 291     | Figueirao-Color17g10  |
| SSXW               | 18       | 48.5 | S | 52        | 36.0 | W | 490      | 298     | Chapadao Sul-Ae12v09  |
| SIIM               | 18       | 48.1 | S | 54        | 50.9 | W | 706      | 288     | Rio Verde Mato 13T11  |
| SDRW               | 18       | 46.6 | S | 49        | 13.9 | W | 249      | 341     | Canapolis-Pirap05g10  |
| SSAD               | 18       | 45.8 | S | 52        | 55.6 | W | 523      | 296     | Chapadao Sul-Ri11a18  |
| SJFV               | 18       | 45.6 | S | 48        | 45.3 | W | 240      | 353     | M Alegre Minas-18v12  |
| SIZI               | 18       | 45.2 | S | 51        | 28.4 | W | 394      | 307     | Itaruma-Vitória09a12  |
| SSCA               | 18       | 44.4 | S | 52        | 37.2 | W | 496      | 298     | Chapadao Sul-Ca08g12  |
| SSTU               | 18       | 43.8 | S | 54        | 6.3  | W | 637      | 291     | Camapua-Jauru-M13g10  |
| SNEA               | 18       | 43.3 | S | 47        | 51.9 | W | 250      | 15      | Estrela Sul-Piç02v12  |
| SIKY               | 18       | 43.2 | S | 53        | 20.2 | W | 564      | 295     | Costa Rica-Beir10t12  |
| SNTK               | 18       | 43.0 | S | 47        | 29.0 | W | 264      | 23      | M Carmelo-Monte03v10  |
| Out and Return 500 | 18       | 42.9 | S | 49        | 5.2  | W | 251      | 345     |                       |
| SWWT               | 18       | 42.3 | S | 45        | 20.1 | W | 409      | 54      | Morada N Minas-16t08  |
| SJVS               | 18       | 42.2 | S | 49        | 41.2 | W | 275      | 332     | Capinopolis-Val01v08  |
| SSYB               | 18       | 41.0 | S | 53        | 17.0 | W | 560      | 295     | costa Rica-S El12g10  |
| SSFW               | 18       | 40.6 | S | 54        | 23.5 | W | 667      | 291     | Coxim-GrotãO-MS13g10  |
| SSWW               | 18       | 40.5 | S | 55        | 53.7 | W | 815      | 286     | Corumba-Belém-M03g05  |
| SNPD               | 18       | 40.3 | S | 46        | 29.5 | W | 323      | 40      | Patos Minas-Pat08a17  |
| SWKR               | 18       | 40.2 | S | 51        | 35.1 | W | 409      | 307     | Itaruma-Mangue 08T08  |

| Way Point  | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description                |
|------------|----------|------|---|-----------|------|---|----------|---------|----------------------------|
| SNAG       | 18       | 40.1 | S | 48        | 11.4 | W | 250      | 7       | Araguari-Aragua05a15       |
| SJDY       | 18       | 39.8 | S | 54        | 4.1  | W | 636      | 292     | Camapua-Da Barr11g07       |
| SIMJ       | 18       | 39.6 | S | 49        | 32.9 | W | 273      | 336     | Capinopolis-Cap11t08       |
| SNIV       | 18       | 38.8 | S | 49        | 53.0 | W | 291      | 329     | Ipiacu-Jumari-M13v08       |
| SWQQ       | 18       | 37.7 | S | 54        | 6.2  | W | 641      | 292     | Camapua-FundãO 01G09       |
| SNMM       | 18       | 35.6 | S | 45        | 21.2 | W | 415      | 52      | Morada N Minas-04t10       |
| SNGP       | 18       | 35.2 | S | 48        | 52.1 | W | 261      | 351     | Tupaciguara-S M15T10       |
| SWWG       | 18       | 32.9 | S | 50        | 22.9 | W | 329      | 322     | Quirinopolis-Ca03t10       |
| SSVX       | 18       | 30.6 | S | 56        | 25.7 | W | 874      | 286     | Corumba-Manduri18g06       |
| SSWZ       | 18       | 30.6 | S | 46        | 16.4 | W | 352      | 41      | P Olegario-Dona02t08       |
| SWCG       | 18       | 29.5 | S | 51        | 18.0 | W | 399      | 312     | Cacu-VarjãO Gra03a10       |
| SDXJ       | 18       | 29.2 | S | 53        | 9.2  | W | 559      | 298     | Costa Rica-Cost09a13       |
| SSCI       | 18       | 28.9 | S | 54        | 43.0 | W | 707      | 291     | Coxim-Coxim-Ms 02a13       |
| SSZF       | 18       | 28.7 | S | 56        | 1.3  | W | 835      | 288     | Corumba-S Gertr08g06       |
| SJQN       | 18       | 26.8 | S | 50        | 24.6 | W | 340      | 323     | Quirinopolis-Qu13a15       |
| SBIT       | 18       | 26.7 | S | 49        | 12.8 | W | 284      | 344     | Itumbiara-Hidro18a17       |
| SSBX       | 18       | 26.5 | S | 54        | 48.0 | W | 717      | 291     | Coxim-Lageado-M13g07       |
| SJNV       | 18       | 25.9 | S | 50        | 15.4 | W | 332      | 325     | Gouvelandia-S F01T11       |
| SNYL       | 18       | 25.6 | S | 46        | 3.1  | W | 374      | 43      | Varjao Minas-S 07S09       |
| SJNX       | 18       | 24.5 | S | 52        | 37.8 | W | 516      | 302     | Chapadao Ceu-Co05v09       |
| SWGL       | 18       | 23.5 | S | 52        | 6.3  | W | 472      | 306     | Serranopolis-Go03v09       |
| SNFI       | 18       | 23.2 | S | 48        | 51.7 | W | 282      | 352     | Tupaciguara-S J02a15       |
| SJFN       | 18       | 22.3 | S | 54        | 55.7 | W | 732      | 291     | Coxim-Brasil No18g09       |
| SINJ       | 18       | 22.1 | S | 54        | 46.6 | W | 718      | 292     | Coxim-Novo Hori16g10       |
| SJAK       | 18       | 21.9 | S | 48        | 52.3 | W | 285      | 352     | Tupaciguara-F5-07a12       |
| SNMV       | 18       | 21.0 | S | 53        | 45.0 | W | 621      | 296     | Alcinopolis-Fla02g10       |
| Uberlandia | 18       | 20.3 | S | 47        | 50.2 | W | 293      | 13      | CTR - Gnd - Fl 055 118.8 ? |
| SIQO       | 18       | 20.1 | S | 55        | 29.1 | W | 788      | 290     | Corumba-Mercede10g10       |
| SIOL       | 18       | 19.4 | S | 48        | 50.6 | W | 289      | 352     | Corumbaiaba-Pon08v08       |
| SSNR       | 18       | 19.1 | S | 54        | 56.1 | W | 735      | 292     | Coxim-Novo Hori18g11       |
| SSYW       | 18       | 16.1 | S | 54        | 47.0 | W | 723      | 293     | Coxim-Terra For09v10       |
| SIRH       | 18       | 16.0 | S | 54        | 18.8 | W | 678      | 295     | Coxim-Morada Da04g10       |
| SDTQ       | 18       | 14.0 | S | 51        | 12.1 | W | 412      | 316     | Apar Rio Doce-S13t10       |
| SNYS       | 18       | 13.2 | S | 45        | 59.5 | W | 395      | 42      | Joao Pinheiro-D02t14       |
| SWKT       | 18       | 13.0 | S | 47        | 54.1 | W | 304      | 11      | Catalao-CatalãO17a14       |
| SSLK       | 18       | 13.0 | S | 55        | 9.5  | W | 761      | 292     | Coxim-Aldeia-Ms04v10       |
| SSDV       | 18       | 12.9 | S | 55        | 27.9 | W | 791      | 291     | Coxim-S Maria-M18g10       |
| SIMQ       | 18       | 12.5 | S | 55        | 45.2 | W | 819      | 290     | Corumba-Dois De18g09       |
| SSZJ       | 18       | 10.7 | S | 54        | 29.7 | W | 700      | 295     | Pedro Gomes-Tor08a15       |
| SISD       | 18       | 8.9  | S | 51        | 16.3 | W | 424      | 316     | Apar Rio Doce-S16v12       |
| SIXV       | 18       | 8.4  | S | 53        | 21.9 | W | 597      | 300     | Alcinopolis-Ran18t13       |

| Way Point            | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description          |
|----------------------|----------|------|---|-----------|------|---|----------|---------|----------------------|
| SIQQ                 | 18       | 8.0  | S | 49        | 47.8 | W | 337      | 336     | Bom Jesus-Aero 18V10 |
| Swba                 | 18       | 7.5  | S | 49        | 2.6  | W | 314      | 349     | Buriti Alegre-B16v12 |
| SJHH                 | 18       | 7.2  | S | 52        | 13.1 | W | 500      | 308     | Serranopolis-Po16v10 |
| SJES                 | 18       | 7.1  | S | 56        | 38.5 | W | 910      | 288     | Corumba-ÁGua Pe08G06 |
| Out and Return 15M N | 18       | 3.6  | S | 49        | 19.3 | W | 328      | 344     |                      |
| SWHS                 | 18       | 3.2  | S | 50        | 23.2 | W | 375      | 327     | Maurilandia-S J09V08 |
| SWBY                 | 18       | 3.0  | S | 49        | 42.0 | W | 342      | 338     | Bom Jesus Goias08 10 |
| SSCW                 | 18       | 2.4  | S | 56        | 0.3  | W | 851      | 291     | Corumba-S Sebas04g10 |
| SJFO                 | 18       | 2.2  | S | 50        | 12.0 | W | 366      | 330     | Porteirao-Calif18t08 |
| SIXG                 | 18       | 1.7  | S | 47        | 27.6 | W | 337      | 19      | Catalao-Pouso A06t08 |
| SJNH                 | 18       | 1.6  | S | 55        | 27.6 | W | 799      | 292     | Corumba-Nhu-Ver17g08 |
| SSZC                 | 18       | 1.2  | S | 55        | 0.1  | W | 755      | 294     | Coxim-Lambari-M18g12 |
| SINR                 | 18       | 0.7  | S | 54        | 1.0  | W | 664      | 298     | Alcinopolis-Rec12g10 |
| Catalao Out Return   | 18       | 0.4  | S | 47        | 49.0 | W | 329      | 12      |                      |
| SDMD                 | 18       | 0.0  | S | 54        | 41.8 | W | 728      | 295     | Coxim-S Izabel-18v08 |
| SSDU                 | 17       | 59.5 | S | 54        | 13.4 | W | 684      | 297     | Pedro Gomes-Mod04g09 |
| SIWM                 | 17       | 59.5 | S | 49        | 32.1 | W | 342      | 341     | Goiatuba-Bandei15v12 |
| SWMB                 | 17       | 58.6 | S | 49        | 35.3 | W | 345      | 340     | Goiatuba-Marimb17v08 |
| SSTP                 | 17       | 58.2 | S | 50        | 19.2 | W | 379      | 329     | Turvelandia-Bae16t12 |
| SWVD                 | 17       | 58.1 | S | 52        | 34.7 | W | 540      | 306     | Serranopolis-Ri09v12 |
| SSED                 | 17       | 57.4 | S | 54        | 25.1 | W | 704      | 297     | Pedro Gomes-Esc06v07 |
| SIJK                 | 17       | 57.3 | S | 46        | 51.7 | W | 369      | 28      | Vazante-Vazante10a09 |
| SSJV                 | 17       | 56.5 | S | 56        | 28.8 | W | 902      | 290     | Corumba-Piratin02g06 |
| SITU                 | 17       | 56.4 | S | 50        | 20.5 | W | 383      | 329     | Turvelandia-S G15T08 |
| SJMA                 | 17       | 56.1 | S | 54        | 55.6 | W | 753      | 295     | Sonora-Mundo Ac14g10 |
| SDYI                 | 17       | 55.0 | S | 45        | 24.1 | W | 462      | 45      | Buritizeiro-Bur17t07 |
| SIQM                 | 17       | 54.0 | S | 50        | 7.4  | W | 376      | 332     | Porteirao-Bom J01V08 |
| SWHG                 | 17       | 53.0 | S | 50        | 34.0 | W | 401      | 326     | S Helena Goias-14a10 |
| SJBR                 | 17       | 52.6 | S | 56        | 23.3 | W | 896      | 291     | Corumba-S Luzia03g05 |
| SIMZ                 | 17       | 52.5 | S | 54        | 56.5 | W | 757      | 295     | Sonora-Primeiro02g11 |
| SJEU                 | 17       | 52.1 | S | 56        | 11.6 | W | 877      | 291     | Corumba-S Crist10g06 |
| SJZD                 | 17       | 51.7 | S | 56        | 42.2 | W | 927      | 290     | Corumba-Bandeir08g08 |
| SDNZ                 | 17       | 50.7 | S | 54        | 46.1 | W | 743      | 296     | Sonora-Alto do 01V10 |
| SIWN                 | 17       | 50.6 | S | 49        | 34.9 | W | 359      | 341     | Joviania-Vargem03v14 |
| SWLC                 | 17       | 50.1 | S | 50        | 57.4 | W | 429      | 322     | Rio Verde-Gen. 03a15 |
| SWJW                 | 17       | 49.8 | S | 51        | 46.5 | W | 486      | 314     | Jatai-Jatai-Go 13a15 |
| SNJP                 | 17       | 47.2 | S | 46        | 7.2  | W | 425      | 36      | Joao Pinheiro-J06a13 |
| SJIJ                 | 17       | 46.9 | S | 53        | 27.7 | W | 628      | 303     | Alto Taquari-Am12t12 |
| Guarda Mor Aerod     | 17       | 46.0 | S | 47        | 6.2  | W | 377      | 23      |                      |
| SWMX                 | 17       | 46.0 | S | 49        | 7.4  | W | 355      | 349     | Morrinhos-Morri05v10 |
| SWTQ                 | 17       | 45.4 | S | 48        | 45.3 | W | 351      | 355     | Rio Quente-Term06a11 |

| Way Point        | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description          |
|------------------|----------|------|---|-----------|------|---|----------|---------|----------------------|
| SIMR             | 17       | 45.1 | S | 51        | 9.1  | W | 449      | 321     | Rio Verde-Reuni12a13 |
| SBCN             | 17       | 43.5 | S | 48        | 36.6 | W | 353      | 358     | Caldas Novas-Ca09a21 |
| SJCD             | 17       | 43.3 | S | 53        | 56.2 | W | 674      | 301     | Pedro Gomes-Pin02g11 |
| SSZZ             | 17       | 42.8 | S | 54        | 24.5 | W | 717      | 299     | Sonora-Thaua-Ms14g10 |
| SSJY             | 17       | 42.5 | S | 56        | 13.0 | W | 887      | 292     | Corumba-S JoãO-03g06 |
| SWIP             | 17       | 41.2 | S | 48        | 9.7  | W | 359      | 5       | Ipameri-Ipameri04v11 |
| SITH             | 17       | 40.4 | S | 50        | 23.3 | W | 411      | 330     | Turvelandia-Ita18t08 |
| Campoalgrdgs     | 17       | 38.8 | S | 47        | 47.1 | W | 369      | 11      |                      |
| SISI             | 17       | 38.0 | S | 50        | 28.2 | W | 419      | 330     | Acreuna-Sete Il01t08 |
| SSUA             | 17       | 37.8 | S | 54        | 46.2 | W | 754      | 298     | Sonora-Sonora E16t09 |
| SWIO             | 17       | 37.3 | S | 50        | 8.5  | W | 404      | 334     | Edeia-Triangulo03g13 |
| SNSA             | 17       | 36.5 | S | 46        | 42.2 | W | 410      | 27      | Vazante-Bom Suc11t09 |
| SSBK             | 17       | 35.0 | S | 54        | 38.5 | W | 745      | 299     | Sonora-Araruna-01g11 |
| SWZH             | 17       | 34.5 | S | 50        | 10.5 | W | 411      | 334     | Acreuna-CaçApav08t07 |
| SWVY             | 17       | 34.1 | S | 56        | 29.3 | W | 919      | 292     | Corumba-Carvalh14g10 |
| SWME             | 17       | 33.1 | S | 52        | 33.4 | W | 568      | 310     | Mineiros-Mineir18t10 |
| SISN             | 17       | 32.7 | S | 53        | 53.6 | W | 680      | 302     | Sonora-Nossa Se10g10 |
| SNSR             | 17       | 32.6 | S | 46        | 58.7 | W | 405      | 23      | Guarda-Mor-Sant03a11 |
| SNQJ             | 17       | 31.4 | S | 55        | 24.0 | W | 818      | 296     | Corumba-Rancho 10V08 |
| SWIJ             | 17       | 31.1 | S | 54        | 49.6 | W | 766      | 298     | Itiquira-S Jorg18t10 |
| SIWY             | 17       | 30.6 | S | 55        | 46.1 | W | 854      | 295     | Corumba-Campo A17g07 |
| SWOV             | 17       | 30.4 | S | 55        | 24.5 | W | 820      | 296     | Itiquira-Retiro07g10 |
| SWBX             | 17       | 29.5 | S | 55        | 13.7 | W | 804      | 297     | Itiquira-Santo 11G10 |
| SICW             | 17       | 27.8 | S | 47        | 49.9 | W | 388      | 10      | C Alegre Goias-04t06 |
| SJWB             | 17       | 27.5 | S | 48        | 59.0 | W | 387      | 352     | Piracanjuba-Pou08t07 |
| SIYK             | 17       | 27.4 | S | 48        | 12.9 | W | 384      | 4       | Urutai-Sorriso 15a07 |
| SISJ             | 17       | 27.2 | S | 55        | 33.5 | W | 837      | 296     | Corumba-S José 06G07 |
| SWMO             | 17       | 27.2 | S | 54        | 44.5 | W | 762      | 299     | Itiquira-Maria 01T10 |
| SJKJ             | 17       | 26.6 | S | 53        | 48.5 | W | 679      | 304     | Sonora-Cangaia-15g07 |
| SIIQ             | 17       | 23.9 | S | 53        | 43.1 | W | 675      | 304     | Sonora-Aracoxim12t08 |
| SIXF             | 17       | 23.0 | S | 47        | 32.1 | W | 403      | 14      | C Alegre Goias-06t08 |
| SJWT             | 17       | 22.4 | S | 54        | 44.1 | W | 766      | 300     | Itiquira-Sucuri08v12 |
| SNHX             | 17       | 21.8 | S | 47        | 26.4 | W | 408      | 16      | Paracatu-Samell06g12 |
| SWRT             | 17       | 20.9 | S | 53        | 11.6 | W | 634      | 308     | S Rita Araguaia17g12 |
| SIFH             | 17       | 19.5 | S | 53        | 11.8 | W | 636      | 308     | S Rita Araguaia12v12 |
| SNMP             | 17       | 19.4 | S | 46        | 32.3 | W | 447      | 27      | Paracatu-Maroco15 10 |
| Vista Alegre Pis | 17       | 19.3 | S | 47        | 27.8 | W | 412      | 15      |                      |
| SWZN             | 17       | 19.3 | S | 50        | 25.6 | W | 448      | 332     | Acreuna-FranceS03t06 |
| SWPR             | 17       | 19.1 | S | 48        | 20.1 | W | 398      | 2       | Pires Rio-Pires10a14 |
| SJER             | 17       | 19.1 | S | 50        | 19.2 | W | 443      | 334     | Acreuna-Canada-14a10 |
| SJDL             | 17       | 18.5 | S | 55        | 50.7 | W | 871      | 296     | Corumba-ParaiSo05g07 |

| Way Point        | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description          |
|------------------|----------|------|---|-----------|------|---|----------|---------|----------------------|
| SWOK             | 17       | 18.3 | S | 53        | 56.1 | W | 699      | 304     | Itiquira-Pontal07g07 |
| Lago Azul Pista  | 17       | 16.3 | S | 47        | 20.1 | W | 421      | 17      |                      |
| SWZD             | 17       | 15.3 | S | 50        | 8.5  | W | 442      | 336     | Jandaia-Denusa 02T09 |
| SIYO             | 17       | 15.3 | S | 51        | 18.4 | W | 503      | 323     | Montividiu-Goia14t08 |
| SSGJ             | 17       | 15.0 | S | 56        | 16.5 | W | 915      | 295     | Corumba-Poleiro11t10 |
| SNZR             | 17       | 14.6 | S | 46        | 52.9 | W | 440      | 23      | Paracatu-Paraca11a15 |
| SJFJ             | 17       | 14.1 | S | 55        | 13.6 | W | 818      | 299     | S Antonio Lever10g09 |
| SIHV             | 17       | 12.7 | S | 46        | 36.9 | W | 454      | 26      | Paracatu-Boa So01g10 |
| SSNN             | 17       | 11.8 | S | 45        | 46.6 | W | 500      | 35      | Joao Pinheiro-S11v11 |
| SNHL             | 17       | 11.6 | S | 45        | 39.9 | W | 507      | 36      | Joao Pinheiro-L11t11 |
| SWGTT            | 17       | 11.3 | S | 50        | 12.8 | W | 451      | 336     | Jandaia-Nova-Go01t12 |
| SNNB             | 17       | 10.6 | S | 46        | 17.9 | W | 473      | 29      | Paracatu-Cana B11C10 |
| SSKR             | 17       | 10.2 | S | 50        | 49.5 | W | 483      | 329     | Parauna-Primave06t09 |
| SIGS             | 17       | 9.7  | S | 46        | 39.6 | W | 457      | 25      | Paracatu-Granja08g11 |
| SSXB             | 17       | 9.6  | S | 56        | 34.2 | W | 947      | 295     | BR Melgaco-Alas14g08 |
| SIJM             | 17       | 8.7  | S | 56        | 35.9 | W | 950      | 295     | BR Melgaco-S Ma16v10 |
| Taquaral Grande  | 17       | 6.8  | S | 47        | 30.8 | W | 433      | 14      |                      |
| SWAT             | 17       | 5.3  | S | 53        | 19.9 | W | 664      | 309     | Alto Araguaia-C09v11 |
| SNFD             | 17       | 4.8  | S | 45        | 26.8 | W | 531      | 37      | Buritizeiro-San06t14 |
| SJCP             | 17       | 4.4  | S | 50        | 50.9 | W | 493      | 329     | Parauna-S Rober05v09 |
| SWYK             | 17       | 3.8  | S | 56        | 35.1 | W | 953      | 295     | Pocone-Ilha Cam03a13 |
| SJRR             | 17       | 3.2  | S | 50        | 55.7 | W | 500      | 328     | Parauna-Barreir02t08 |
| SSXC             | 17       | 3.0  | S | 56        | 5.0  | W | 907      | 297     | BR Melgaco-Alas04g09 |
| Orizona Pista Ci | 17       | 2.5  | S | 48        | 18.2 | W | 429      | 2       |                      |
| SSOU             | 17       | 2.2  | S | 46        | 15.6 | W | 489      | 29      | Paracatu-Inhuma13t12 |
| SNUK             | 17       | 2.1  | S | 45        | 29.2 | W | 532      | 37      | Buritizeiro-Lag06v09 |
| Ponterismrcs P40 | 17       | 1.0  | S | 47        | 9.0  | W | 454      | 18      |                      |
| SWIL             | 17       | 0.9  | S | 54        | 21.0 | W | 754      | 304     | Pedra Preta-Tar03g08 |
| Brasilia         | 17       | 0.7  | S | 46        | 0.9  | W | 504      | 31      |                      |
| SWLI             | 17       | 0.5  | S | 56        | 28.0 | W | 945      | 296     | BR Melgaco-Libe15t07 |
| SWGE             | 17       | 0.4  | S | 56        | 28.7 | W | 946      | 296     | BR Melgaco-Piri12 09 |
| SIPR             | 17       | 0.1  | S | 50        | 44.6 | W | 495      | 331     | Parauna-S José-14t07 |
| SIPQ             | 16       | 59.9 | S | 48        | 44.3 | W | 435      | 356     | S Miguel Passa 09V09 |
| SWPW             | 16       | 58.0 | S | 56        | 25.0 | W | 943      | 296     | BR Melgaco-Pous01g08 |
| Bela Vista Pista | 16       | 57.6 | S | 48        | 56.2 | W | 441      | 354     |                      |
| SDEC             | 16       | 57.4 | S | 53        | 34.2 | W | 692      | 308     | Alto Garcas-Ran14v10 |
| SIVD             | 16       | 56.8 | S | 46        | 16.7 | W | 496      | 28      | Unai-Dos TReS R08a05 |
| SWBN             | 16       | 56.8 | S | 56        | 23.6 | W | 942      | 296     | BR Melgaco-Barr05g06 |
| SWDC             | 16       | 56.3 | S | 53        | 34.7 | W | 694      | 309     | Alto Garcas-Arc04s10 |
| SWRS             | 16       | 56.0 | S | 54        | 54.4 | W | 808      | 302     | Rondonopolis-S 03V08 |
| SIVV             | 16       | 55.6 | S | 56        | 14.0 | W | 928      | 297     | BR Melgaco-Bore03g11 |

| Way Point        | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description                                   |
|------------------|----------|------|---|-----------|------|---|----------|---------|---|
| Girua Cristalina | 16       | 55.4 | S | 47        | 41.0 | W | 450      | 11      |   |
| Alto Gracas      | 16       | 55.3 | S | 53        | 32.5 | W | 693      | 309     |   |
| SIRU             | 16       | 55.3 | S | 54        | 4.5  | W | 737      | 306     | Pedra Preta-Bah16v10                          |
| SJCN             | 16       | 54.4 | S | 47        | 42.5 | W | 451      | 10      | Cristalina-Aero09t08                          |
| SISL             | 16       | 53.6 | S | 55        | 54.4 | W | 900      | 298     | BR Melgaco-S Lú06G08                          |
| SNEK             | 16       | 53.0 | S | 46        | 14.2 | W | 505      | 28      | Dom Bosco-Moria17s08                          |
| SWEX             | 16       | 50.8 | S | 54        | 27.5 | W | 774      | 305     | Pedra Preta-S E09g09                          |
| SWJY             | 16       | 50.7 | S | 53        | 44.1 | W | 714      | 308     | Alto Garcas-Cam02t10                          |
| SSNK             | 16       | 50.6 | S | 54        | 4.5  | W | 742      | 306     | Pedra Preta-Sem03v10                          |
| SWYW             | 16       | 50.1 | S | 53        | 50.1 | W | 723      | 308     | Alto Garcas-Adr05v10                          |
| SWEG             | 16       | 50.0 | S | 55        | 40.1 | W | 882      | 300     | BR Melgaco-Duas09g08                          |
| SWGP             | 16       | 49.6 | S | 49        | 52.8 | W | 476      | 342     | Palmeiras Goias03a11                          |
| Ponte Rffsa Pter | 16       | 48.1 | S | 47        | 53.6 | W | 460      | 8       |   |
| SDXB             | 16       | 47.4 | S | 47        | 38.6 | W | 465      | 11      | Cristalina-Cris05a11                          |
| SIMO             | 16       | 46.2 | S | 56        | 10.3 | W | 931      | 298     | BR Melgaco-Post03g08                          |
| Mundonovo Pista  | 16       | 45.3 | S | 47        | 6.5  | W | 483      | 18      |   |
| Vianopolis       | 16       | 45.0 | S | 48        | 31.0 | W | 462      | 359     |   |
| SWWX             | 16       | 44.8 | S | 56        | 22.2 | W | 951      | 298     | BR Melgaco-Post01t08                          |
| SWOQ             | 16       | 44.6 | S | 47        | 59.5 | W | 465      | 6       | Luziania-Surucu12t11                          |
| Pontedoscrls Rio | 16       | 43.6 | S | 48        | 10.3 | W | 465      | 4       |   |
| SNDO             | 16       | 43.0 | S | 47        | 1.1  | W | 490      | 18      | Paracatu-Ouro B05G12                          |
| SNFA             | 16       | 42.9 | S | 46        | 31.2 | W | 509      | 24      | Unai-Santo Antô07a11                          |
| SWWV             | 16       | 42.4 | S | 56        | 1.8  | W | 922      | 299     | BR Melgaco-Post17t08                          |
| SWWW             | 16       | 41.3 | S | 56        | 10.6 | W | 936      | 299     | BR Melgaco-Post09t08                          |
| SWQL             | 16       | 41.0 | S | 52        | 15.2 | W | 615      | 319     | Doverlandia-Tre02a12                          |
| SWWJ             | 16       | 40.9 | S | 56        | 17.9 | W | 948      | 298     | BR Melgaco-Post08t08                          |
| SNWK             | 16       | 40.5 | S | 54        | 16.0 | W | 770      | 307     | Pedra Preta-S T15G08                          |
| SNWN             | 16       | 40.1 | S | 54        | 23.1 | W | 780      | 306     | Pedra Preta-Ali09v08                          |
| Anapolis 2       | 16       | 40.0 | S | 48        | 48.4 | W | 472      | 356     | CTR - Gnd - Fl065 119.15 - 129.45 Opr 122.5 C |
| Silvania Colegio | 16       | 39.5 | S | 48        | 36.5 | W | 472      | 358     |   |
| SBGO             | 16       | 37.8 | S | 49        | 13.6 | W | 481      | 350     | Goiania-S Genov14a25                          |
| SWNV             | 16       | 37.7 | S | 49        | 20.7 | W | 484      | 349     | Goiania-AeróDro13a11                          |
| SNYI             | 16       | 37.4 | S | 47        | 18.0 | W | 491      | 15      | Unai-Hj-MG 16T08                              |
| Leopoldoblhs Aer | 16       | 36.6 | S | 48        | 45.0 | W | 478      | 356     |   |
| Agoias           | 16       | 35.5 | S | 49        | 23.6 | W | 489      | 348     | Goiania-Go-03a07                              |
| SWWY             | 16       | 35.2 | S | 56        | 16.8 | W | 951      | 299     | BR Melgaco-Post10t08                          |
| Mamoneira        | 16       | 35.2 | S | 46        | 30.0 | W | 523      | 24      |   |
| SWRD             | 16       | 35.1 | S | 54        | 43.5 | W | 814      | 305     | Rondonopolis-Ro02a18                          |
| SNTD             | 16       | 35.1 | S | 46        | 30.6 | W | 522      | 24      | Natalandia-Mamo09a13                          |
| SSUS             | 16       | 35.0 | S | 54        | 51.6 | W | 826      | 304     | Rondonopolis-Ve16v11                          |
| SWFT             | 16       | 34.9 | S | 52        | 8.6  | W | 616      | 321     | Caiaponia-S MaR11V11                          |

| Way Point         | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description   |
|-------------------|----------|------|---|-----------|------|---|----------|---------|---|
| SNNV              | 16       | 34.2 | S | 54        | 10.2 | W | 769      | 308     | Pedra Preta-Est15g08  |
| SWOA              | 16       | 32.4 | S | 49        | 23.9 | W | 495      | 348     | Goianira-Arnapa18t08  |
| Pontersbrtlm P40  | 16       | 32.0 | S | 47        | 47.0 | W | 491      | 9       |   |
| SIPK              | 16       | 29.8 | S | 56        | 25.3 | W | 970      | 299     | Pocone-Sesc Pan01a12  |
| SWAF              | 16       | 29.0 | S | 54        | 40.0 | W | 816      | 306     | Rondonopolis-Ag07t05  |
| SIAU              | 16       | 29.0 | S | 56        | 16.2 | W | 957      | 300     | BR Melgaco-Jato18g09  |
| SDRO              | 16       | 27.9 | S | 54        | 42.7 | W | 821      | 306     | Rondonopolis-Ag07t09  |
| SJGP              | 16       | 26.8 | S | 54        | 39.9 | W | 819      | 306     | Rondonopolis-Co14a11  |
| SWMZ              | 16       | 26.6 | S | 54        | 42.1 | W | 822      | 306     | Rondonopolis-Es14v08  |
| SNEO              | 16       | 26.5 | S | 49        | 12.0 | W | 502      | 351     | Neropolis-Dezoi07a06  |
| General Xavier    | 16       | 26.3 | S | 48        | 20.7 | W | 496      | 2       |   |
| SWDQ              | 16       | 26.1 | S | 55        | 16.3 | W | 871      | 304     | S Antonio Lever12v07  |
| SWJE              | 16       | 23.8 | S | 52        | 19.7 | W | 645      | 320     | Baliza-Ibia-Go 08T11  |
| SWZP              | 16       | 23.1 | S | 54        | 12.1 | W | 785      | 309     | Guiratinga-Vale12v08  |
| SWNS              | 16       | 21.8 | S | 48        | 55.7 | W | 507      | 355     | Anapolis-AnaPol07a18  |
| Embratel Torre40  | 16       | 21.5 | S | 47        | 49.8 | W | 510      | 8       |   |
| SNUN              | 16       | 21.2 | S | 46        | 55.6 | W | 531      | 18      | Unai-Unai-MG 17a11  |
| Unai Fazenda Pis  | 16       | 21.1 | S | 47        | 55.7 | W | 509      | 7       |   |
| SSOT              | 16       | 20.8 | S | 45        | 20.9 | W | 604      | 34      | S Romao-Saco Da01t17  |
| SJPQ              | 16       | 19.2 | S | 47        | 13.5 | W | 526      | 15      | Unai-Avstal-MG 15T06  |
| SNYO              | 16       | 17.9 | S | 46        | 9.6  | W | 567      | 26      | Riachinho-Logra14g08  |
| Agriter           | 16       | 17.8 | S | 47        | 37.5 | W | 520      | 10      |   |
| SWPK              | 16       | 16.4 | S | 56        | 39.0 | W | 1003     | 299     | Pocone-Poconé-M18v13  |
| Faita Pista       | 16       | 16.3 | S | 47        | 53.3 | W | 518      | 7       |   |
| SWUZ              | 16       | 15.7 | S | 47        | 58.1 | W | 519      | 6       | Luziania-Brigad11a12  |
| SLC Vertice Norte | 16       | 14.3 | S | 47        | 37.4 | W | 526      | 10      |   |
| SBAN              | 16       | 14.3 | S | 48        | 58.3 | W | 521      | 354     | Anapolis-Base A06a33  |
| SWFA              | 16       | 13.0 | S | 47        | 37.6 | W | 528      | 10      | Cristalina-Pamp03a13  |
| Fazendaserby Aer  | 16       | 12.4 | S | 47        | 40.9 | W | 529      | 9       |   |
| SWCE              | 16       | 11.9 | S | 55        | 23.7 | W | 897      | 304     | S Antonio Lever04a15  |
| SJPH              | 16       | 11.4 | S | 48        | 4.7  | W | 525      | 5       | Luziania-Palma-08v10  |
| SWFC              | 16       | 10.0 | S | 54        | 50.6 | W | 853      | 307     | Juscimeira-Colo09v09  |
| SSDY              | 16       | 9.4  | S | 53        | 0.6  | W | 712      | 317     | Guiratinga-Duas09v09  |
| SSOV              | 16       | 8.8  | S | 45        | 49.5 | W | 598      | 28      | Urucuia-Hora-MG05v09  |
| SWTX              | 16       | 8.7  | S | 52        | 58.3 | W | 710      | 317     | Torixoreu-Olho 03V11  |
| SWIM              | 16       | 7.6  | S | 51        | 40.2 | W | 629      | 327     | M Claros Goias-15v11  |
| SJCM              | 16       | 7.3  | S | 52        | 57.0 | W | 711      | 318     | Pontal Araguaia13g10  |
| SJAQ              | 16       | 7.2  | S | 46        | 21.6 | W | 576      | 23      | Unai-RenascençA06t12  |
| Anapolis 1        | 16       | 7.0  | S | 48        | 38.9 | W | 532      | 358     | CTR - Gnd - FI065 120.55 - 133.0 C                              |
| Cuiaba            | 16       | 5.8  | S | 55        | 59.7 | W | 956      | 303     | Cuiaba TMA - FI035 - FI 145 CTR - Gnd - FI 035 119.4 - 120.35 C |
| Pacato Ponto Vir  | 16       | 5.5  | S | 47        | 30.0 | W | 544      | 11      |   |



| Way Point        | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description  |
|------------------|----------|------|---|-----------|------|---|----------|---------|--|
| SWYA             | 16       | 2.6  | S | 54        | 57.1 | W | 871      | 307     | Jaciara-Nossa S02V07                                 |
| SWPJ             | 16       | 2.0  | S | 53        | 2.1  | W | 724      | 318     | Pontal Araguaia08t12                                 |
| SWOY             | 16       | 1.5  | S | 52        | 48.7 | W | 709      | 319     | Pontal Araguaia03v12                                 |
| Anapolis         | 16       | 1.3  | S | 49        | 46.6 | W | 560      | 346     | TMA - FL065 - F1145 119.15 - 120.55 129.45 - 133.0 C |
| SWJZ             | 15       | 58.9 | S | 54        | 32.0 | W | 841      | 310     | Juscimeira-Morr02g08                                 |
| SIMF             | 15       | 58.4 | S | 46        | 42.6 | W | 579      | 19      | Unai-S Miguel-M14v11                                 |
| SWJC             | 15       | 58.3 | S | 54        | 58.1 | W | 877      | 308     | Jaciara-Jaciara06v10                                 |
| SNEZ             | 15       | 57.6 | S | 50        | 42.8 | W | 598      | 336     | N Brasil-Palmei06v08                                 |
| SIQE             | 15       | 56.5 | S | 47        | 43.2 | W | 557      | 8       | Brasilia-Botelh14v17                                 |
| SJFW             | 15       | 56.3 | S | 46        | 28.6 | W | 591      | 21      | Unai-W. Egido I09v10                                 |
| SWCD             | 15       | 56.2 | S | 48        | 39.0 | W | 552      | 358     | Alexania-S MõNi09a10                                 |
| SWRM             | 15       | 55.8 | S | 48        | 20.0 | W | 553      | 2       | S Antonio Desco09t06                                 |
| SWEC             | 15       | 54.1 | S | 52        | 5.9  | W | 675      | 325     | Aragarcas-EstaN03a11                                 |
| SJVO             | 15       | 54.0 | S | 52        | 14.4 | W | 683      | 324     | Aragarcas-Araga10a10                                 |
| SWVL             | 15       | 53.8 | S | 55        | 18.9 | W | 911      | 306     | S Antonio Lever13v11                                 |
| Arinos           | 15       | 53.5 | S | 46        | 5.9  | W | 611      | 25      |  |
| SBBR             | 15       | 52.1 | S | 47        | 55.2 | W | 562      | 6       | Brasilia-Pres. 11a33                                 |
| SBBW             | 15       | 51.6 | S | 52        | 23.4 | W | 696      | 323     | Barra Garcas-Ba07a15                                 |
| SSGP             | 15       | 51.2 | S | 47        | 48.4 | W | 566      | 7       | Brasilia-Piquet10g07                                 |
| SWLV             | 15       | 51.1 | S | 56        | 5.3  | W | 980      | 304     | S Antonio Lever18a12                                 |
| SWZQ             | 15       | 50.7 | S | 50        | 4.3  | W | 587      | 343     | Jussara-Jussara11t12                                 |
| Papagaio         | 15       | 49.7 | S | 46        | 40.7 | W | 595      | 19      |  |
| Cabeceiras Pista | 15       | 48.9 | S | 46        | 56.5 | W | 588      | 16      |  |
| Aapub            | 15       | 46.3 | S | 47        | 54.3 | W | 573      | 6       | Brasilia Apub 11/A05                                 |
| SWOX             | 15       | 45.9 | S | 56        | 29.7 | W | 1021     | 303     | Nossa Senhora L16V08                                 |
| SWAY             | 15       | 43.4 | S | 51        | 50.2 | W | 676      | 328     | Araguaiana-Arag01t10                                 |
| SWWL             | 15       | 41.8 | S | 52        | 15.8 | W | 703      | 325     | Barra Garcas-Ag17a11                                 |
| SDNT             | 15       | 40.9 | S | 47        | 46.1 | W | 585      | 7       | Brasilia-Aerora14v12                                 |
| SJCY             | 15       | 40.8 | S | 55        | 57.3 | W | 980      | 305     | Cuiaba-EstaNcia12v16                                 |
| SWPV             | 15       | 40.7 | S | 47        | 32.6 | W | 589      | 10      | Planaltina-Plan11v11                                 |
| SWWI             | 15       | 40.4 | S | 53        | 34.7 | W | 792      | 316     | Gal Carneiro-Fo09v10                                 |
| SBCY             | 15       | 39.0 | S | 56        | 7.0  | W | 996      | 305     | Cuiaba-Marechal17a23                                 |
| SIQZ             | 15       | 39.0 | S | 46        | 26.6 | W | 622      | 20      | Buritis-Carolin03t09                                 |
| SJFI             | 15       | 38.1 | S | 55        | 59.4 | W | 986      | 305     | Cuiaba-Cifi-Mt 01V08                                 |
| SNUY             | 15       | 37.9 | S | 46        | 25.7 | W | 624      | 21      | Buritis-Buritis06t08                                 |
| SWSD             | 15       | 37.4 | S | 51        | 48.8 | W | 684      | 328     | Araguaiana-Sant01v11                                 |
| SWKA             | 15       | 35.7 | S | 51        | 15.4 | W | 659      | 333     | Jussara-Canada-05t09                                 |
| SWDB             | 15       | 34.6 | S | 52        | 13.1 | W | 712      | 326     | Barra Garcas-El01v12                                 |
| SIGN             | 15       | 34.3 | S | 53        | 14.0 | W | 777      | 319     | Gal Carneiro-As06v09                                 |
| SWPY             | 15       | 33.9 | S | 54        | 20.3 | W | 857      | 313     | Primavera Leste01v11                                 |
| SWRU             | 15       | 33.4 | S | 53        | 4.5  | W | 768      | 320     | Tesouro-Meruri-08g11                                 |

| Way Point | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description  |
|-----------|----------|------|---|-----------|------|---|----------|---------|--|
| SWFR      | 15       | 33.4 | S | 47        | 20.7 | W | 606      | 12      | Formosa-Formosa05a14   |
| SWMH      | 15       | 32.5 | S | 51        | 1.1  | W | 654      | 335     | Itapirapua-Bom 16V08   |
| SWXJ      | 15       | 32.5 | S | 55        | 59.0 | W | 992      | 306     | Cuiaba-ChaCara 14V06   |
| SIWJ      | 15       | 31.9 | S | 55        | 8.3  | W | 923      | 309     | C Verde-Luiz Ed15v13   |
| SDMX      | 15       | 30.0 | S | 55        | 22.8 | W | 945      | 308     | C Verde-Fontana06v11   |
| SWGMM     | 15       | 29.4 | S | 55        | 48.9 | W | 981      | 307     | Cuiaba-Ninho Da12v08   |
| SWJS      | 15       | 29.2 | S | 51        | 16.2 | W | 671      | 333     | Jussara-Samamba13v10   |
| SJQS      | 15       | 28.3 | S | 55        | 43.2 | W | 975      | 307     | Chapada Guimara05v05   |
| SWER      | 15       | 28.2 | S | 56        | 3.8  | W | 1003     | 306     | Cuiaba-EstaNcia07v09   |
| SJTB      | 15       | 27.9 | S | 55        | 37.4 | W | 967      | 308     | Chapada Guimara07v14   |
| SWOR      | 15       | 27.1 | S | 51        | 13.4 | W | 672      | 334     | Britania-Colora03t09   |
| SWGWM     | 15       | 26.3 | S | 51        | 35.9 | W | 691      | 331     | Jussara-S Rita 14V11   |
| SJNJ      | 15       | 25.9 | S | 51        | 35.4 | W | 691      | 331     | Jussara-Lakanka09t12   |
| SJPX      | 15       | 24.9 | S | 54        | 22.3 | W | 872      | 313     | Poxoreo-Cidade 03V10   |
| SJPI      | 15       | 24.8 | S | 48        | 38.0 | W | 610      | 358     | Cocalzinho Goia02t08   |
| SIEN      | 15       | 24.3 | S | 53        | 20.5 | W | 799      | 319     | Gal Carneiro-S 04G10   |
| SSGS      | 15       | 24.0 | S | 54        | 10.9 | W | 859      | 314     | Primavera Leste05t08   |
| SWKJ      | 15       | 23.9 | S | 54        | 36.5 | W | 891      | 312     | Dom Aquino-Mutu06t11   |
| SDQZ      | 15       | 23.8 | S | 52        | 4.5  | W | 720      | 328     | Barra Garcas-Es11v14   |
| SWZR      | 15       | 23.0 | S | 51        | 2.0  | W | 670      | 336     | Itapirapua-S Ri16g08   |
| SWFO      | 15       | 20.8 | S | 56        | 42.7 | W | 1067     | 304     | Jangada-Bocaina04v11   |
| SWCZ      | 15       | 20.7 | S | 49        | 36.3 | W | 629      | 349     | Ceres-Ceres-Go 15T11   |
| SWZO      | 15       | 20.6 | S | 55        | 8.2  | W | 937      | 310     | C Verde-Lagoa F13V12   |
| SWGOM     | 15       | 20.4 | S | 49        | 8.2  | W | 622      | 353     | Goianesia-Goian07t12   |
| SWOZ      | 15       | 18.6 | S | 54        | 54.0 | W | 920      | 311     | C Verde-Santo A18v12   |
| SJRH      | 15       | 18.5 | S | 54        | 36.0 | W | 897      | 313     | C Verde-Galheir17g12   |
| SWHL      | 15       | 16.5 | S | 55        | 7.3  | W | 940      | 311     | C Verde-Maraba-01v10   |
| SJYZ      | 15       | 16.2 | S | 54        | 15.4 | W | 875      | 315     | Primavera Leste17v10   |
| SSYO      | 15       | 15.8 | S | 55        | 36.9 | W | 981      | 309     | Chapada Guimara17t07   |
| SNPS      | 15       | 15.6 | S | 46        | 45.8 | W | 653      | 16      | Buritis-Pontezi11a11   |
| SWEZ      | 15       | 15.0 | S | 56        | 28.9 | W | 1054     | 305     | Jangada-S Rita 03G16   |
| SIDW      | 15       | 14.7 | S | 54        | 29.4 | W | 894      | 314     | Primavera Leste18v12   |
| SIMX      | 15       | 14.4 | S | 56        | 34.7 | W | 1063     | 305     | Jangada-Jangada03g07   |
| SWSB      | 15       | 14.0 | S | 51        | 58.6 | W | 731      | 329     | Araguaiana-Sabi13v09   |
| SWPH      | 15       | 13.6 | S | 52        | 7.8  | W | 740      | 328     | Barra Garcas-Pa10t09   |
| SWKH      | 15       | 13.3 | S | 55        | 8.0  | W | 945      | 311     | C Verde-Florest18t09   |
| SINT      | 15       | 11.7 | S | 49        | 22.8 | W | 642      | 351     | S Isabel-S AdéL09t08   |
| SWOS      | 15       | 10.3 | S | 48        | 57.2 | W | 639      | 355     | Goianesia-Tapaj06 11   |
| Brasilia  | 15       | 9.8  | S | 47        | 48.9 | W | 642      | 6       | TMA - Fl065 - Fl145 Atis - Opr 122.5 CTR - Gnd - Fl 065 119.2 - 119.5 119.7 - 125.45 |
| SJBF      | 15       | 9.5  | S | 48        | 17.0 | W | 639      | 2       | Mimoso Goias-J.03t08   |
| SWJO      | 15       | 8.4  | S | 51        | 15.3 | W | 705      | 335     | Britania-S Paul14g09   |

| Way Point   | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description           |
|-------------|----------|------|---|-----------|------|---|----------|---------|-----------------------|
| SWNJ        | 15       | 7.7  | S | 53        | 29.5 | W | 833      | 320     | N S Joaquim-Ita18v08  |
| SWOL        | 15       | 5.8  | S | 52        | 24.0 | W | 767      | 327     | Barra Garcas-Ro09t09  |
| SWQM        | 15       | 5.4  | S | 56        | 22.4 | W | 1056     | 306     | Acorizal-Boa Vi07v10  |
| SWRJ        | 15       | 5.0  | S | 56        | 33.2 | W | 1071     | 306     | Rosario Oeste-P18v11  |
| SWFK        | 15       | 4.5  | S | 48        | 14.3 | W | 648      | 2       | Padre Bernardo-17g09  |
| SJUS        | 15       | 4.5  | S | 51        | 9.5  | W | 707      | 336     | Britania-Acara-03g12  |
| SWOO        | 15       | 4.3  | S | 51        | 23.6 | W | 718      | 334     | Britania-Tres M03G09  |
| SWEL        | 15       | 3.5  | S | 51        | 55.0 | W | 745      | 330     | Araguaiana-S Eu03t10  |
| SWXA        | 15       | 2.5  | S | 51        | 24.0 | W | 721      | 334     | Jussara-Canadaz10t09  |
| SIDM        | 15       | 2.3  | S | 52        | 5.9  | W | 756      | 329     | Barra Garcas-Ci01v10  |
| SJZZ        | 15       | 1.1  | S | 53        | 56.1 | W | 873      | 318     | Primavera Leste05v10  |
| SILB        | 15       | 0.2  | S | 55        | 30.1 | W | 991      | 310     | Chapada Guimara18v08  |
| SIGF        | 15       | 0.0  | S | 55        | 49.5 | W | 1017     | 309     | Chapada Guimara08a12  |
| SWJK        | 14       | 58.6 | S | 51        | 20.1 | W | 725      | 335     | Britania-S Paul16g12  |
| SDNK        | 14       | 57.9 | S | 54        | 3.0  | W | 885      | 317     | Primavera Leste11t09  |
| SWOM        | 14       | 57.7 | S | 53        | 29.3 | W | 847      | 320     | N S Joaquim-Sal18v11  |
| SIQJ        | 14       | 57.5 | S | 55        | 48.1 | W | 1018     | 309     | Chapada Guimara11a12  |
| SWDA        | 14       | 56.1 | S | 52        | 10.4 | W | 770      | 329     | Barra Garcas-Du03g10  |
| SWNH        | 14       | 56.0 | S | 51        | 2.9  | W | 717      | 337     | Aruana-Aruanã-G06a13  |
| SWIK        | 14       | 55.0 | S | 51        | 17.0 | W | 729      | 335     | Barra Garcas-It05v10  |
| SWYY        | 14       | 53.3 | S | 52        | 16.6 | W | 780      | 328     | N Xavantina-Nov17v11  |
| SWLD        | 14       | 53.1 | S | 45        | 20.3 | W | 746      | 27      | Januaria-Porto 06V10  |
| SIZK        | 14       | 52.5 | S | 52        | 6.9  | W | 773      | 330     | Barra Garcas-Ve18v10  |
| SWNX        | 14       | 52.1 | S | 53        | 30.1 | W | 856      | 321     | S Antonio Leste03v10  |
| SWDJ        | 14       | 51.5 | S | 52        | 2.2  | W | 770      | 330     | Barra Garcas-Du18g09  |
| SJSN        | 14       | 50.2 | S | 49        | 21.7 | W | 681      | 352     | S Luiz Norte-Ca11v08  |
| SWDO        | 14       | 49.0 | S | 56        | 25.0 | W | 1079     | 308     | Rosario Oeste-R09v08  |
| SDZX        | 14       | 48.9 | S | 53        | 8.0  | W | 837      | 323     | Campinapolis-Su10g13  |
| SWEF        | 14       | 48.1 | S | 51        | 9.0  | W | 735      | 337     | Cocalinho-Europ10a08  |
| SNJE        | 14       | 47.6 | S | 46        | 0.2  | W | 728      | 21      | Jaborandi-Sertã07t12  |
| SIRN        | 14       | 45.5 | S | 51        | 59.4 | W | 778      | 331     | N Xavantina-Ja618a14  |
| SWDY        | 14       | 45.3 | S | 50        | 22.6 | W | 712      | 343     | N Crixas-ÁGua F12T07  |
| SWPP        | 14       | 45.2 | S | 50        | 39.9 | W | 722      | 341     | Mozarlandia-Pic05 11  |
| SWVZ        | 14       | 45.0 | S | 56        | 21.2 | W | 1078     | 308     | Nombres-Emal - E13v08 |
| SDOV        | 14       | 44.7 | S | 50        | 34.2 | W | 720      | 342     | Mozarlandia-Moz17a15  |
| SWFW        | 14       | 43.0 | S | 51        | 54.5 | W | 778      | 332     | Barra Garcas-Ja18g10  |
| SWCO        | 14       | 42.9 | S | 51        | 12.6 | W | 746      | 337     | Cocalinho-Conti16t10  |
| Rodeador Ba | 14       | 42.0 | S | 45        | 50.0 | W | 744      | 22      |                       |
| SWXV        | 14       | 41.5 | S | 52        | 20.9 | W | 803      | 329     | N Xavantina-Xav03v14  |
| SWRR        | 14       | 40.1 | S | 54        | 34.0 | W | 947      | 316     | Planalto Serra-08v11  |
| SJWH        | 14       | 39.1 | S | 55        | 23.0 | W | 1009     | 312     | N Brasilândia-S11v12  |

| Way Point    | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description          |
|--------------|----------|------|---|-----------|------|---|----------|---------|----------------------|
| SWHA         | 14       | 38.7 | S | 49        | 49.0 | W | 710      | 348     | Guarinos-Boa Es05v06 |
| SIOK         | 14       | 38.5 | S | 56        | 14.3 | W | 1077     | 309     | Nobres-ÁGua Doc13v10 |
| SIPL         | 14       | 37.3 | S | 54        | 28.6 | W | 944      | 317     | Planalto Serra-12v12 |
| SWEM         | 14       | 37.1 | S | 54        | 0.2  | W | 911      | 319     | Primavera Leste08v09 |
| SJGR         | 14       | 36.3 | S | 50        | 9.2  | W | 722      | 345     | Crixas-Cavalgad17g09 |
| SNJG         | 14       | 34.6 | S | 50        | 42.3 | W | 742      | 341     | N Crixas-S José03v11 |
| SIWG         | 14       | 33.4 | S | 55        | 49.2 | W | 1050     | 311     | Rosario Oeste-S06v14 |
| SJDH         | 14       | 33.0 | S | 45        | 46.0 | W | 762      | 23      | Jaborandi-S. M.15T07 |
| SWZJ         | 14       | 32.8 | S | 50        | 39.2 | W | 743      | 342     | Crixas-S João-G11t08 |
| SWAA         | 14       | 32.6 | S | 50        | 35.6 | W | 742      | 342     | N Crixas-Ykarai12v06 |
| SSKQ         | 14       | 32.5 | S | 50        | 27.7 | W | 738      | 343     | N Crixas-S Rosa03v10 |
| SJCL         | 14       | 31.9 | S | 50        | 24.7 | W | 737      | 344     | N Crixas-AraçAt16v09 |
| SWWU         | 14       | 31.5 | S | 49        | 8.3  | W | 712      | 354     | Uruacu-UruaçU-G18a14 |
| SILM         | 14       | 28.2 | S | 46        | 52.4 | W | 735      | 14      | Flores Goias-Re03v10 |
| SNBE         | 14       | 28.2 | S | 53        | 40.1 | W | 902      | 322     | Paranatinga-Bot08v08 |
| SJRL         | 14       | 27.5 | S | 56        | 3.2  | W | 1076     | 311     | Nobres-Do AçúCa08v06 |
| SJOU         | 14       | 27.2 | S | 54        | 2.0  | W | 928      | 320     | Paranatinga-Mar18v09 |
| SIVP         | 14       | 26.8 | S | 50        | 32.2 | W | 750      | 343     | N Crixas-Bandei02a09 |
| SWYU         | 14       | 26.6 | S | 50        | 52.0 | W | 761      | 340     | Aruana-Entre Ri04t12 |
| SWNQ         | 14       | 26.2 | S | 48        | 29.5 | W | 719      | 360     | Niquelandia-Niq02t14 |
| SSPE         | 14       | 26.1 | S | 55        | 36.6 | W | 1043     | 312     | Nobres-EsseNcia08v10 |
| SWSV         | 14       | 23.3 | S | 51        | 22.8 | W | 787      | 336     | Cocalinho-S Sil15g10 |
| 750 FAI      | 14       | 22.8 | S | 46        | 3.6  | W | 769      | 20      |                      |
| SWDM         | 14       | 22.6 | S | 56        | 24.0 | W | 1109     | 310     | Diamantino-Diam17a14 |
| SJRT         | 14       | 22.2 | S | 54        | 0.1  | W | 933      | 320     | Paranatinga-Arr01v09 |
| SWRZ         | 14       | 21.1 | S | 56        | 42.8 | W | 1137     | 309     | Nortelandia-Arr18a13 |
| SSNL         | 14       | 19.0 | S | 55        | 46.0 | W | 1064     | 312     | Nobres-EsseNcia09v12 |
| FAI 750 S-SO | 14       | 16.9 | S | 46        | 20.2 | W | 770      | 17      |                      |
| SWBO         | 14       | 16.5 | S | 49        | 39.0 | W | 747      | 350     | C Verdes-S João11t09 |
| SSLJ         | 14       | 15.9 | S | 47        | 1.6  | W | 754      | 12      | Flores Goias-S 01V10 |
| SWMR         | 14       | 15.0 | S | 48        | 5.0  | W | 741      | 3       | Morro Redondo-M15t09 |
| SNNJ         | 14       | 13.1 | S | 46        | 50.3 | W | 763      | 13      | Iaciara-S Cruz-04a12 |
| SIZO         | 14       | 11.4 | S | 51        | 38.6 | W | 818      | 335     | Cocalinho-Calca02a15 |
| SWCN         | 14       | 8.6  | S | 51        | 0.9  | W | 798      | 340     | Cocalinho-Sauda09v11 |
| SIPG         | 14       | 8.3  | S | 51        | 28.0 | W | 816      | 337     | Cocalinho-ÁGua 09a14 |
| SWPZ         | 14       | 7.4  | S | 46        | 20.5 | W | 787      | 17      | Posse-OricAnga 10a15 |
| SDXF         | 14       | 7.1  | S | 47        | 31.7 | W | 761      | 8       | Alto Paraiso Go09a12 |
| SSQL         | 14       | 6.8  | S | 50        | 7.3  | W | 775      | 347     | Uirapuru-Matric09v08 |
| SDMW         | 14       | 6.8  | S | 50        | 40.9 | W | 790      | 342     | N Crixas-Karaja12t06 |
| SWIA         | 14       | 6.4  | S | 46        | 40.2 | W | 779      | 14      | Iaciara-Iaciara17 15 |
| SDUK         | 14       | 5.8  | S | 52        | 54.1 | W | 890      | 327     | Agua Boa-Xaimit18v10 |

| Way Point                | Latitude |      |   | Longitude |      |   | Distance | Bearing | Description          |
|--------------------------|----------|------|---|-----------|------|---|----------|---------|----------------------|
| SNLQ                     | 14       | 4.0  | S | 50        | 24.9 | W | 787      | 345     | N Crixas-Confor11a15 |
| SIWK                     | 14       | 3.1  | S | 55        | 23.0 | W | 1057     | 315     | S Rita Trivelat18v09 |
| SJUU                     | 14       | 1.7  | S | 46        | 52.3 | W | 783      | 13      | N Roma-Parana-G02g09 |
| SWHP                     | 14       | 1.2  | S | 52        | 9.1  | W | 859      | 332     | Agua Boa-Olhos 04T15 |
| SJNM                     | 14       | 0.0  | S | 55        | 56.7 | W | 1103     | 313     | N Mutum-S Luzia02v12 |
| SJSR                     | 13       | 59.5 | S | 49        | 45.8 | W | 780      | 350     | Mara Rosa-S Ros01v09 |
| SWCM                     | 13       | 59.4 | S | 52        | 55.6 | W | 902      | 328     | Agua Boa-Couto 07V19 |
| SWYP                     | 13       | 57.2 | S | 55        | 46.7 | W | 1094     | 314     | N Mutum-Ribeiro18a10 |
| Correntina               | 13       | 57.0 | S | 45        | 58.0 | W | 817      | 19      |                      |
| SJNI                     | 13       | 55.2 | S | 56        | 5.1  | W | 1120     | 313     | N Mutum-Mutum-M18t12 |
| SWIE                     | 13       | 55.2 | S | 50        | 0.6  | W | 793      | 348     | Mundo Novo-S FR14V11 |
| SWTE                     | 13       | 55.0 | S | 56        | 39.5 | W | 1164     | 311     | Diamantino-Tres18 16 |
| SWTD                     | 13       | 52.9 | S | 52        | 24.0 | W | 885      | 331     | Agua Boa-Sete D10V15 |
| SWIW                     | 13       | 49.0 | S | 56        | 2.2  | W | 1124     | 313     | N Mutum-Brigade05a15 |
| SIWR                     | 13       | 48.0 | S | 50        | 29.4 | W | 818      | 345     | N Crixas-Amazon07v08 |
| SWNW                     | 13       | 48.0 | S | 55        | 27.3 | W | 1082     | 316     | Nobres-Tuiuiu-M16 11 |
| SSCB                     | 13       | 46.5 | S | 49        | 56.8 | W | 807      | 349     | Mundo Novo-S Ma12v08 |
| SWCW                     | 13       | 46.0 | S | 47        | 25.7 | W | 801      | 8       | Cavalcante-Cava05t10 |
| SIVC                     | 13       | 45.5 | S | 49        | 28.6 | W | 801      | 352     | Mutunopolis-Ipo09v08 |
| SWSR                     | 13       | 45.0 | S | 55        | 38.0 | W | 1099     | 315     | Sertania-SertaN14t10 |
| SIIX                     | 13       | 44.2 | S | 52        | 35.4 | W | 908      | 331     | Agua Boa-CóRreg14v09 |
| SSPC                     | 13       | 43.9 | S | 51        | 20.4 | W | 853      | 339     | Cocalinho-S JúL08V14 |
| SWSP                     | 13       | 43.5 | S | 54        | 44.3 | W | 1038     | 319     | Paranatinga-Sop01t11 |
| SJGY                     | 13       | 42.5 | S | 46        | 44.1 | W | 821      | 13      | S Domingos-Barr11v08 |
| SSDS                     | 13       | 42.4 | S | 50        | 38.9 | W | 832      | 344     | N Crixas-Bandei18t12 |
| SSXH                     | 13       | 41.9 | S | 56        | 17.4 | W | 1153     | 313     | N Mutum-Jacamin06t12 |
| 1 Luis Eduardo Magalhaes | 12       | 4.1  | S | 45        | 42.6 | W | 1025     | 17      | Centro da Pista      |