



**Agenda Item 4: Exchange of OPMET Information**

(Presented by Brazil)

**SUMMARY**

This working paper presents a comparison between the availability of the messages in the Brasilia International OPMET Data Bank

**References**

- CAR/SAM FASID; Tables MET 2A and MET 2B
- Catalogue of OPMET Data available at the Brasilia International OPMET Data Bank

**1. Introduction**

1.1 During the operational controls carried out by the OPMET Bank from 2009 to 2011, a great number of absences of OPMET messages in the Brasilia Bank it have been noted and with the consequent detriment in air operations.

**2. General considerations**

2.1 In order to identify deficiencies related with the availability of information in the Brasilia OPMET Data Bank, Brazil has developed a comparative study of the OPMET messages availability during the period included in the **Appendix A**.

2.2 **Appendix B** presents a table and graphics showing the comparative study of METAR availability.

2.3 **Appendix C** presents a table showing a comparative study of TAF availability.

**3. Action suggested to the Meeting**

3.1 The Subgroup is invited to:

- a) take note of the information contained in this document;
- b) take the appropriate measures in meteorological services to ensure the quality of OPMET information to international air navigation; y
- c) maintain the COM/MET data coordinated controls for OPMET controls in the CAR/SAM Regions from 10 to 16 June each year

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**APPENDIX A**

**Periods of the comparative study of the results of OPMET messages availability in the Brasilia International OPMET Data Bank**

**Periods of the comparative study of the results of OPMET messages availability in the Brasilia International OPMET Data Bank**

- 10 al 16 de marzo de 2009
- 10 al 16 de junio de 2009
- 10 al 16 de septiembre de 2009
- 10 al 16 de noviembre de 2009
- 10 al 16 de marzo de 2010
- 10 al 16 de junio de 2010
- 10 al 16 de septiembre de 2010
- 10 al 16 de marzo de 2011
- 10 al 16 de junio de 2011
- 15 al 21 de septiembre de 2011



Table with the availability of METAR in the Brasilia OPMET Bank

| Local      | Horario de Func. | Prev. | 2009 |     |     |     | 2010 |     |     | 2011 |     |     |
|------------|------------------|-------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|            |                  |       | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| Región SAM |                  |       |      |     |     |     |      |     |     |      |     |     |
| Argentina  |                  |       |      |     |     |     |      |     |     |      |     |     |
| SAAR       | H-24             | 168   | 160  | 158 | 154 | 152 | 152  | 155 | 164 | 166  | 148 | 164 |
| SABE       | H-24             | 168   | 126  | 153 | 160 | 152 | 159  | 161 | 164 | 167  | 160 | 163 |
| SACO       | H-24             | 168   | 163  | 168 | 163 | 164 | 157  | 164 | 168 | 166  | 165 | 168 |
| SADD       | 0900/0000        | 112   | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SADF       | H-24             | 168   | 0    | 159 | 148 | 140 | 143  | 143 | 164 | 142  | 151 | 156 |
| SAEZ       | H-24             | 168   | 160  | 153 | 167 | 163 | 161  | 164 | 167 | 167  | 165 | 168 |
| SAME       | H-24             | 168   | 159  | 164 | 161 | 163 | 158  | 163 | 168 | 167  | 164 | 166 |
| SANT       | H-24             | 168   | 159  | 164 | 160 | 81  | 154  | 158 | 168 | 165  | 163 | 158 |
| SAOC       | H-24             | 168   |      |     |     | 146 | 132  | 151 | 147 | 131  | 132 | 123 |
| SARC       | H-24             | 168   |      |     |     | 153 | 153  | 163 | 165 | 164  | 150 | 156 |
| SARE       | H-24             | 168   | 162  | 166 | 167 | 163 | 151  | 163 | 168 | 167  | 158 | 166 |
| SARF       | H-24             | 168   | 163  | 167 | 166 | 164 | 166  | 164 | 167 | 166  | 164 | 122 |
| SARI       | H-24             | 168   | 162  | 167 | 168 | 163 | 158  | 164 | 167 | 167  | 165 | 167 |
| SARL       | H-24             | 168   |      |     |     | 88  | 90   | 103 | 94  | 103  | 103 | 105 |
| SARP       | H-24             | 168   | 163  | 167 | 167 | 136 | 152  | 159 | 164 | 165  | 158 | 164 |
| SASA       | H-24             | 168   | 149  | 166 | 167 | 165 | 159  | 161 | 164 | 150  | 147 | 160 |
| SASJ       | H-24             | 168   | 160  | 168 | 140 | 147 | 158  | 163 | 131 | 136  | 126 | 152 |
| SAVC       | H-24             | 168   | 161  | 168 | 159 | 164 | 159  | 163 | 164 | 167  | 164 | 166 |
| SAWE       | 0900/2300        | 105   | 79   | 85  | 89  | 28  | 85   | 91  | 92  | 68   | 58  | 74  |
| SAWG       | H-24             | 168   | 162  | 167 | 155 | 162 | 156  | 163 | 166 | 163  | 166 | 162 |
| SAWH       | H-24             | 168   | 153  | 157 | 150 | 154 | 128  | 140 | 121 | 122  | 117 | 112 |
| SAZM       | H-24             | 168   | 159  | 152 | 152 | 124 | 137  | 162 | 158 | 140  | 131 | 159 |
| SAZN       | H-24             | 168   | 139  | 153 | 141 | 106 | 101  | 137 | 149 | 151  | 56  | 145 |
| SAZS       | H-24             | 168   | 109  | 152 | 138 | 144 | 153  | 162 | 165 | 156  | 80  | 164 |
| Bolivia    |                  |       |      |     |     |     |      |     |     |      |     |     |
| SLCB       | H-24             | 168   | 164  | 164 | 164 | 164 | 163  | 165 | 166 | 166  | 165 | 166 |
| SLCO       | H-24             | 168   | 92   | 91  | 101 | 99  | 88   | 90  | 91  | 94   | 89  | 93  |
| SLET       | 1000/0000        | 105   | 97   | 96  | 98  | 95  | 95   | 98  | 98  | 97   | 95  | 96  |
| SLLP       | H-24             | 168   | 165  | 166 | 168 | 164 | 163  | 165 | 166 | 167  | 165 | 166 |
| SLPO       | H-24             | 168   |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 52  |
| SLPS       | 1100/2200        | 84    | 82   | 83  | 84  | 82  | 81   | 83  | 83  | 83   | 82  | 83  |
| SLSA       | H-24             | 168   |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 76  |
| SLSI       | H-24             | 168   |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 75  |
| SLSU       | H-24             | 168   | 97   | 96  | 98  | 95  | 95   | 98  | 97  | 97   | 96  | 97  |
| SLTJ       | 1000/2300        | 98    | 96   | 97  | 97  | 96  | 94   | 98  | 98  | 97   | 96  | 97  |
| SLTR       | 0900/2300        | 105   | 102  | 103 | 105 | 103 | 102  | 102 | 105 | 104  | 103 | 103 |
| SLVM       | H-24             | 168   |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 60  |
| SLVR       | H-24             | 168   | 165  | 166 | 168 | 164 | 163  | 165 | 165 | 167  | 165 | 166 |
| SLYA       | H-24             | 168   | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 76  |
| Chile      |                  |       |      |     |     |     |      |     |     |      |     |     |
| SCAR       | H-24             | 168   | 165  | 168 | 166 | 162 | 154  | 160 | 166 | 166  | 160 | 159 |
| SCAT       | H-24             | 168   |      |     |     |     |      |     |     | 165  | 166 | 159 |
| SCBA       | H-24             | 168   | 165  | 94  | 165 | 163 | 153  | 160 | 153 | 163  | 132 | 148 |
| SCCF       | HR*              | 112   | 109  | 114 | 111 | 111 | 109  | 112 | 113 | 116  | 109 | 105 |
| SCCI       | H-24             | 168   | 164  | 166 | 166 | 162 | 151  | 159 | 166 | 162  | 160 | 161 |
| SCDA       | H-24             | 168   | 166  | 168 | 166 | 161 | 153  | 161 | 167 | 161  | 161 | 160 |
| SCEL       | H-24             | 168   | 165  | 168 | 167 | 164 | 153  | 163 | 167 | 166  | 161 | 163 |
| SCFA       | H-24             | 168   | 166  | 168 | 167 | 164 | 153  | 162 | 166 | 165  | 161 | 160 |
| SCIE       | H-24             | 168   | 166  | 168 | 165 | 164 | 151  | 163 | 167 | 166  | 161 | 161 |
| SCIP       | 1200/0300        | 112   | 109  | 108 | 111 | 110 | 110  | 111 | 112 | 109  | 107 | 108 |

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|---|---|-------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|   |   |       | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| Región SAM  |   |       |      |     |     |     |      |     |     |      |     |     |
| SCJO  | IVNO<br>1230/0015;<br>VRNO<br>1130/2315 | 84    | 79   | 70  | 76  | 70  | 76   | 75  | 80  | 78   | 74  | 74  |
| SCNT  | H-24                                    | 168   |      |     | 161 | 48  | 44   | 43  | 45  | 59   | 43  | 32  |
| SCSE  | H-24                                    | 168   | 164  | 166 | 167 | 163 | 148  | 155 | 166 | 166  | 161 | 159 |
| SCTC  | H-24                                    | 168   | 166  | 165 | 0   | 163 | 154  | 161 | 167 | 164  | 158 | 162 |
| SCTE  | H-24                                    | 168   | 166  | 168 | 163 | 162 | 152  | 162 | 166 | 164  | 161 | 161 |
| * - IVNO: MON-FRI 1100/0315, SAT 1100/2315, SUN 1300/0315.<br>VRNO: MON-FRI 1000/0215, SAT 1000/2215, SUN 1200/0215 |   |       |      |     |     |     |      |     |     |      |     |     |
| Colombia  |   |       |      |     |     |     |      |     |     |      |     |     |
| SKBG  | 1100/0400                               | 126   | 122  | 122 | 95  | 120 | 126  | 125 | 0   | 124  | 124 | 124 |
| SKBO  | H-24                                    | 168   | 160  | 161 | 141 | 158 | 154  | 160 | 0   | 149  | 161 | 167 |
| SKBQ  | H-24                                    | 168   | 156  | 162 | 135 | 158 | 162  | 160 | 0   | 159  | 155 | 164 |
| SKCC  | 1000/0000                               | 105   | 87   | 84  | 71  | 88  | 90   | 89  | 0   | 84   | 89  | 91  |
| SKCG  | H-24                                    | 168   | 165  | 159 | 126 | 162 | 159  | 153 | 0   | 154  | 148 | 165 |
| SKCL  | H-24                                    | 168   | 156  | 153 | 132 | 153 | 162  | 163 | 0   | 153  | 153 | 166 |
| SKLT  | 1100/2300                               | 84    | 90   | 86  | 88  | 89  | 90   | 89  | 0   | 84   | 73  | 89  |
| SKMD  | H-24                                    | 168   |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 62  |
| SKPE  | 1100/0300                               | 119   | 114  | 108 | 85  | 115 | 113  | 112 | 0   | 111  | 115 | 118 |
| SKRG  | H-24                                    | 168   | 165  | 160 | 133 | 161 | 157  | 161 | 0   | 152  | 160 | 167 |
| SKSM  | H-24                                    | 168   |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 69  |
| SKSP  | 1100/0500                               | 133   | 125  | 126 | 100 | 128 | 124  | 124 | 0   | 124  | 123 | 127 |
| Ecuador   |   |       |      |     |     |     |      |     |     |      |     |     |
| SEGU  | H-24                                    | 168   | 163  | 164 | 159 | 161 | 163  | 167 | 153 | 162  | 139 | 141 |
| SELT  | 1100/0500                               | 133   | 132  | 127 | 127 | 124 | 125  | 130 | 129 | 125  | 71  | 96  |
| SEMT  | H-24                                    | 168   | 147  | 157 | 152 | 148 | 156  | 153 | 162 | 158  | 141 | 147 |
| SEQU  | H-24                                    | 168   | 165  | 163 | 163 | 160 | 162  | 164 | 164 | 159  | 140 | 149 |
| Guayana   |   |       |      |     |     |     |      |     |     |      |     |     |
| SYCJ  | H-24                                    | 168   | 132  | 0   | 57  | 23  | 84   | 98  | 165 | 158  | 1   | 141 |
| Guayana Francesa  |   |       |      |     |     |     |      |     |     |      |     |     |
| SOCA  | H-24                                    | 168   | 34   | 162 | 161 | 160 | 163  | 165 | 166 | 34   | 163 | 161 |
| Inglaterra  |   |       |      |     |     |     |      |     |     |      |     |     |
| EGYP  | H-24                                    | 168   |      |     | 0   | 0   | 1    | 0   | 0   | 0    | 0   | 0   |
| Panamá  |   |       |      |     |     |     |      |     |     |      |     |     |
| MPBO  | 1100/2300                               | 91    | 0    | 68  | 70  | 64  | 76   | 59  | 66  | 82   | 65  | 46  |
| MPCH  | 1100/2300                               | 91    | 0    | 71  | 76  | 65  | 78   | 80  | 85  | 81   | 79  | 83  |
| MPDA  | 1100/2300                               | 91    | 0    | 67  | 66  | 56  | 68   | 73  | 82  | 77   | 75  | 80  |
| MPMG  | 1100/0100                               | 105   | 0    | 80  | 88  | 79  | 94   | 93  | 96  | 99   | 98  | 97  |
| MPTO  | H-24                                    | 168   | 0    | 134 | 147 | 150 | 154  | 159 | 158 | 162  | 156 | 161 |
| Paraguay  |   |       |      |     |     |     |      |     |     |      |     |     |
| SGAS  | H-24                                    | 168   | 165  | 166 | 166 | 164 | 166  | 167 | 157 | 160  | 163 | 168 |
| SGES  | 0900/0000                               | 112   | 136  | 129 | 135 | 131 | 131  | 134 | 124 | 136  | 135 | 139 |
| Perú  |   |       |      |     |     |     |      |     |     |      |     |     |
| SPCL  | 1200/0600                               | 133   | 1    | 0   | 2   | 0   | 5    | 2   | 0   | 2    | 0   | 0   |
| SPGM  | 1300/2100                               | 63    | 2    | 2   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 1   |
| SPHI  | H-24                                    | 168   | 166  | 167 | 167 | 158 | 166  | 168 | 167 | 167  | 167 | 167 |
| SPHO  | 1000/2300                               | 98    | 98   | 96  | 98  | 95  | 97   | 96  | 98  | 97   | 98  | 97  |
| SPHY  | 1000/1800                               | 63    | 62   | 63  | 63  | 63  | 62   | 63  | 56  | 63   | 63  | 61  |

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|-----------|------------------|-------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|           |                  |       | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| Perú      |                  |       |      |     |     |     |      |     |     |      |     |     |
| SPIM      | H-24             | 168   | 168  | 167 | 168 | 165 | 167  | 168 | 168 | 168  | 167 | 168 |
| SPJI      | 1300/2100        | 63    | 0    | 1   | 0   | 0   | 0    | 0   | 0   | 0    | 1   | 0   |
| SPJL      | 1100/0000        | 98    | 97   | 97  | 97  | 94  | 97   | 97  | 98  | 97   | 98  | 98  |
| SPJR      | 11002300         | 91    | 1    | 0   | 1   | 1   | 0    | 0   | 0   | 0    | 0   | 1   |
| SPLO      | 1300/2100        | 63    | 1    | 1   | 0   | 0   | 1    | 1   | 0   | 0    | 0   | 0   |
| SPME      | 1200/2400        | 110   | 118  | 117 | 119 | 115 | 119  | 118 | 116 | 115  | 118 | 116 |
| SPMS      | 1300/2100        | 63    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SPQT      | H-24             | 168   | 167  | 166 | 167 | 164 | 164  | 168 | 168 | 168  | 167 | 168 |
| SPQU      | H-24             | 168   | 168  | 167 | 168 | 164 | 166  | 168 | 168 | 168  | 167 | 165 |
| SPRU      | H-24             | 168   | 167  | 167 | 167 | 163 | 163  | 165 | 166 | 166  | 166 | 166 |
| SPSO      | H-24             | 168   | 168  | 167 | 167 | 159 | 166  | 168 | 167 | 168  | 167 | 168 |
| SPST      | 1100/0300        | 119   | 3    | 2   | 1   | 0   | 0    | 1   | 0   | 0    | 1   | 5   |
| SPTN      | H-24             | 168   | 167  | 167 | 168 | 164 | 164  | 168 | 167 | 165  | 167 | 166 |
| SPTU      | 1100/2300        | 91    | 90   | 90  | 90  | 88  | 91   | 91  | 91  | 90   | 90  | 91  |
| SPYL      | 1300/2100        | 63    | 53   | 62  | 58  | 51  | 54   | 54  | 54  | 56   | 53  | 52  |
| SPZO      | H-24             | 168   | 168  | 167 | 168 | 161 | 163  | 168 | 168 | 166  | 167 | 168 |
| Surinam   |                  |       |      |     |     |     |      |     |     |      |     |     |
| SMJP      | H-24             | 168   | 168  | 144 | 127 | 96  | 115  | 137 | 122 | 125  | 121 | 156 |
| SMNI      | H-24             | 168   | 168  | 102 | 12  | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SMZO      | 0900/0000        | 112   | 112  | 102 | 0   | 0   | 0    | 0   | 0   | 0    | 59  | 84  |
| Uruguay   |                  |       |      |     |     |     |      |     |     |      |     |     |
| SUAA      | 0700/2200        | 112   | 91   | 81  | 83  | 83  | 86   | 76  | 85  | 90   | 80  | 90  |
| SUCA      | 1200/2300        | 84    | 91   | 6   | 37  | 44  | 22   | 87  | 91  | 82   | 82  | 89  |
| SUDU      | H-24             | 168   |      |     |     | 77  | 61   | 67  | 80  | 78   | 71  | 74  |
| SULS      | 1000/0300        | 126   | 168  | 160 | 154 | 142 | 24   | 119 | 156 | 153  | 152 | 160 |
| SUMU      | H-24             | 168   | 168  | 167 | 166 | 161 | 164  | 158 | 165 | 164  | 163 | 166 |
| SURV      | 1000/2200        | 91    | 91   | 0   | 0   | 0   | 0    | 1   | 3   | 0    | 0   | 26  |
| SUSO      | 1000/2200        | 91    | 91   | 0   | 3   | 16  | 5    | 30  | 17  | 71   | 76  | 74  |
| Venezuela |                  |       |      |     |     |     |      |     |     |      |     |     |
| SVAC      | H-24             | 168   | 79   | 81  | 90  | 83  | 69   | 52  | 58  | 42   | 67  | 102 |
| SVBC      | H-24             | 168   | 140  | 161 | 159 | 148 | 155  | 149 | 154 | 54   | 147 | 131 |
| SVBI      | H-24             | 168   | 60   | 82  | 69  | 67  | 38   | 31  | 31  | 55   | 54  | 88  |
| SVBM      | 1000/0400        | 133   | 108  | 129 | 127 | 130 | 129  | 128 | 126 | 127  | 129 | 127 |
| SVCB      | H-24             | 168   | 66   | 73  | 86  | 93  | 80   | 72  | 79  | 40   | 34  | 113 |
| SVCL      | H-24             | 168   | 42   | 40  | 83  | 84  | 49   | 8   | 39  | 63   | 0   | 72  |
| SVCR      | H-24             | 168   | 80   | 91  | 86  | 91  | 74   | 66  | 73  | 72   | 73  | 98  |
| SVCU      | H-24             | 168   | 1    | 49  | 62  | 42  | 13   | 0   | 0   | 0    | 0   | 75  |
| SVFM      | H-24             | 168   | 12   | 14  | 1   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SVGI      | H-24             | 168   | 7    | 35  | 32  | 30  | 3    | 0   | 0   | 0    | 0   | 58  |
| SVGU      | H-24             | 168   | 55   | 81  | 78  | 66  | 39   | 18  | 44  | 17   | 30  | 92  |
| SVHG      | H-24             | 168   | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SVJC      | 1000/2200        | 91    | 78   | 76  | 80  | 81  | 78   | 76  | 79  | 75   | 72  | 77  |
| SVJM      | H-24             | 168   | 13   | 52  | 56  | 48  | 14   | 0   | 0   | 0    | 0   | 42  |
| SVMC      | H-24             | 168   | 92   | 91  | 91  | 94  | 94   | 88  | 91  | 91   | 94  | 97  |
| SVMD      | H-24             | 168   | 70   | 87  | 90  | 80  | 59   | 55  | 49  | 65   | 54  | 98  |
| SVMG      | H-24             | 168   | 161  | 163 | 163 | 158 | 150  | 141 | 157 | 99   | 152 | 158 |
| SVMI      | H-24             | 168   | 164  | 167 | 166 | 163 | 167  | 163 | 165 | 164  | 157 | 166 |
| SVMT      | 1000/0400        | 133   | 43   | 70  | 64  | 46  | 16   | 0   | 1   | 0    | 0   | 36  |
| SVPA      | H-24             | 168   | 26   | 35  | 67  | 90  | 54   | 47  | 51  | 59   | 35  | 66  |





| Local                           | Horario de Func. | Prev | 2009 |     |     |     | 2010 |     |     | 2011 |     |     |
|---------------------------------|------------------|------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|                                 |                  |      | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| Islas Vírgenes (Inglaterra)     |                  |      |      |     |     |     |      |     |     |      |     |     |
| TUPJ                            | 1200/0000        | 91   | 43   | 44  | 17  | 21  | 0    | 15  | 87  | 97   | 74  | 89  |
| TUPW                            | H-24             | 168  | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 89  |
| Islas Vírgenes (Estados Unidos) |                  |      |      |     |     |     |      |     |     |      |     |     |
| TIST                            | 0700/2200        | 112  | 105  | 108 | 108 | 106 | 103  | 71  | 112 | 112  | 86  | 110 |
| TISX                            | 0600/2300        | 126  | 117  | 118 | 113 | 113 | 122  | 83  | 125 | 126  | 95  | 121 |
| Jamaica                         |                  |      |      |     |     |     |      |     |     |      |     |     |
| MKJP                            | H-24             | 168  | 161  | 164 | 162 | 150 | 159  | 150 | 161 | 166  | 159 | 164 |
| MKJS                            | H-24             | 168  | 160  | 166 | 156 | 155 | 165  | 166 | 168 | 168  | 162 | 159 |
| México                          |                  |      |      |     |     |     |      |     |     |      |     |     |
| MMAA                            | H-24             | 168  | 163  | 167 | 165 | 160 | 164  | 165 | 167 | 167  | 165 | 165 |
| MMAN                            | 1300/0300        | 105  | 105  | 104 | 103 | 100 | 102  | 104 | 105 | 103  | 84  | 104 |
| MMAS                            | H-24             | 168  | 8    | 9   | 0   | 1   | 0    | 0   | 115 | 116  | 116 | 119 |
| MMBT                            | 1300/0000        | 84   | 80   | 80  | 78  | 80  | 82   | 79  | 78  | 82   | 77  | 78  |
| MMCB                            | H-24             | 168  |      |     | 87  | 73  | 81   | 81  | 86  | 83   | 88  | 84  |
| MMCC                            | H-24             | 168  | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MMCE                            | 1300/0500        | 91   | 79   | 79  | 80  | 77  | 81   | 83  | 75  | 83   | 83  | 82  |
| MMCL                            | 1400/0100        | 119  | 110  | 107 | 103 | 107 | 108  | 107 | 107 | 115  | 110 | 107 |
| MMCM                            | 1300/0300        | 84   | 74   | 73  | 71  | 70  | 75   | 77  | 65  | 75   | 69  | 67  |
| MMCN                            | 1400/0200        | 91   | 88   | 91  | 89  | 75  | 84   | 81  | 74  | 81   | 83  | 90  |
| MMCP                            | 1300/0300        | 105  | 96   | 95  | 91  | 85  | 100  | 96  | 97  | 105  | 97  | 102 |
| MMCS                            | 1400/0200        | 91   | 88   | 88  | 88  | 83  | 87   | 89  | 90  | 87   | 66  | 88  |
| MMCU                            | 1300/0300        | 105  | 95   | 95  | 97  | 96  | 93   | 100 | 101 | 101  | 77  | 100 |
| MMCV                            | 1300/0100        | 91   | 73   | 70  | 74  | 73  | 71   | 80  | 80  | 79   | 65  | 87  |
| MMCZ                            | 1300/0100        | 91   | 91   | 91  | 90  | 87  | 90   | 90  | 90  | 90   | 91  | 91  |
| MMDO                            | 1200/0100        | 98   | 97   | 97  | 97  | 93  | 95   | 97  | 86  | 93   | 95  | 96  |
| MMEP                            | H-24             | 168  |      |     | 0   | 1   | 0    | 0   | 83  | 82   | 84  | 81  |
| MMGL                            | H-24             | 168  | 160  | 161 | 160 | 154 | 160  | 165 | 167 | 165  | 160 | 163 |
| MMGM                            | 1400/0200        | 91   | 80   | 73  | 80  | 68  | 77   | 74  | 68  | 75   | 78  | 80  |
| MMHO                            | 1300/0300        | 105  | 101  | 104 | 98  | 98  | 100  | 105 | 104 | 100  | 100 | 101 |
| MMIA                            | H-24             | 168  |      |     | 0   | 1   | 0    | 0   | 74  | 86   | 84  | 88  |
| MMIO                            | H-24             | 168  |      |     | 100 | 93  | 97   | 98  | 97  | 102  | 76  | 99  |
| MMLM                            | H-24             | 168  |      |     | 90  | 93  | 91   | 91  | 91  | 98   | 89  | 89  |
| MMLO                            | H-24             | 168  | 0    | 0   | 0   | 4   | 1    | 0   | 80  | 83   | 82  | 83  |
| MMLP                            | 1400/0400        | 105  | 103  | 103 | 100 | 97  | 96   | 96  | 101 | 99   | 100 | 98  |
| MMLT                            | 1400/0200        | 91   | 77   | 64  | 65  | 66  | 68   | 68  | 73  | 78   | 60  | 69  |
| MMMA                            | 1400/0200        | 91   | 87   | 86  | 84  | 86  | 88   | 87  | 90  | 90   | 69  | 90  |
| MMMD                            | H-24             | 168  | 168  | 167 | 163 | 161 | 164  | 163 | 166 | 168  | 165 | 164 |
| MMML                            | 1400/0400        | 105  | 99   | 102 | 102 | 97  | 101  | 100 | 100 | 103  | 98  | 102 |
| MMMM                            | 1300/0100        | 91   | 1    | 2   | 0   | 1   | 0    | 0   | 88  | 86   | 88  | 87  |
| MMMT                            | H-24             | 168  |      |     | 65  | 73  | 76   | 69  | 74  | 75   | 75  | 74  |
| MMMX                            | H-24             | 168  | 166  | 168 | 165 | 161 | 163  | 165 | 168 | 167  | 166 | 165 |
| MMMY                            | H-24             | 168  | 167  | 164 | 165 | 159 | 164  | 163 | 168 | 167  | 164 | 161 |
| MMMZ                            | H-24             | 168  | 167  | 167 | 162 | 160 | 164  | 165 | 167 | 166  | 165 | 164 |
| MMNG                            | 1400/0200        | 91   | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MMNL                            | 1400/0200        | 91   | 84   | 78  | 81  | 83  | 87   | 77  | 80  | 80   | 59  | 77  |
| MMOX                            | 1200/0000        | 91   | 90   | 89  | 85  | 83  | 87   | 87  | 88  | 91   | 89  | 90  |
| MMPA                            | H-24             | 168  |      |     | 88  | 87  | 90   | 90  | 88  | 91   | 91  | 89  |
| MMPB                            | H-24             | 168  |      |     | 78  | 78  | 81   | 83  | 84  | 83   | 83  | 83  |
| MMPG                            | 1200/0100        | 98   | 81   | 80  | 80  | 75  | 81   | 83  | 88  | 87   | 65  | 81  |
| MMPN                            | H-24             | 168  |      |     | 0   | 1   | 0    | 0   | 74  | 82   | 73  | 74  |
| MMPR                            | H-24             | 168  | 8    | 10  | 9   | 11  | 2    | 11  | 165 | 162  | 150 | 158 |
| MMPS                            | 1200/0000        | 91   | 86   | 83  | 83  | 81  | 85   | 82  | 84  | 86   | 83  | 82  |
| MMQT                            | H-24             | 168  |      |     | 87  | 85  | 90   | 89  | 91  | 89   | 89  | 89  |



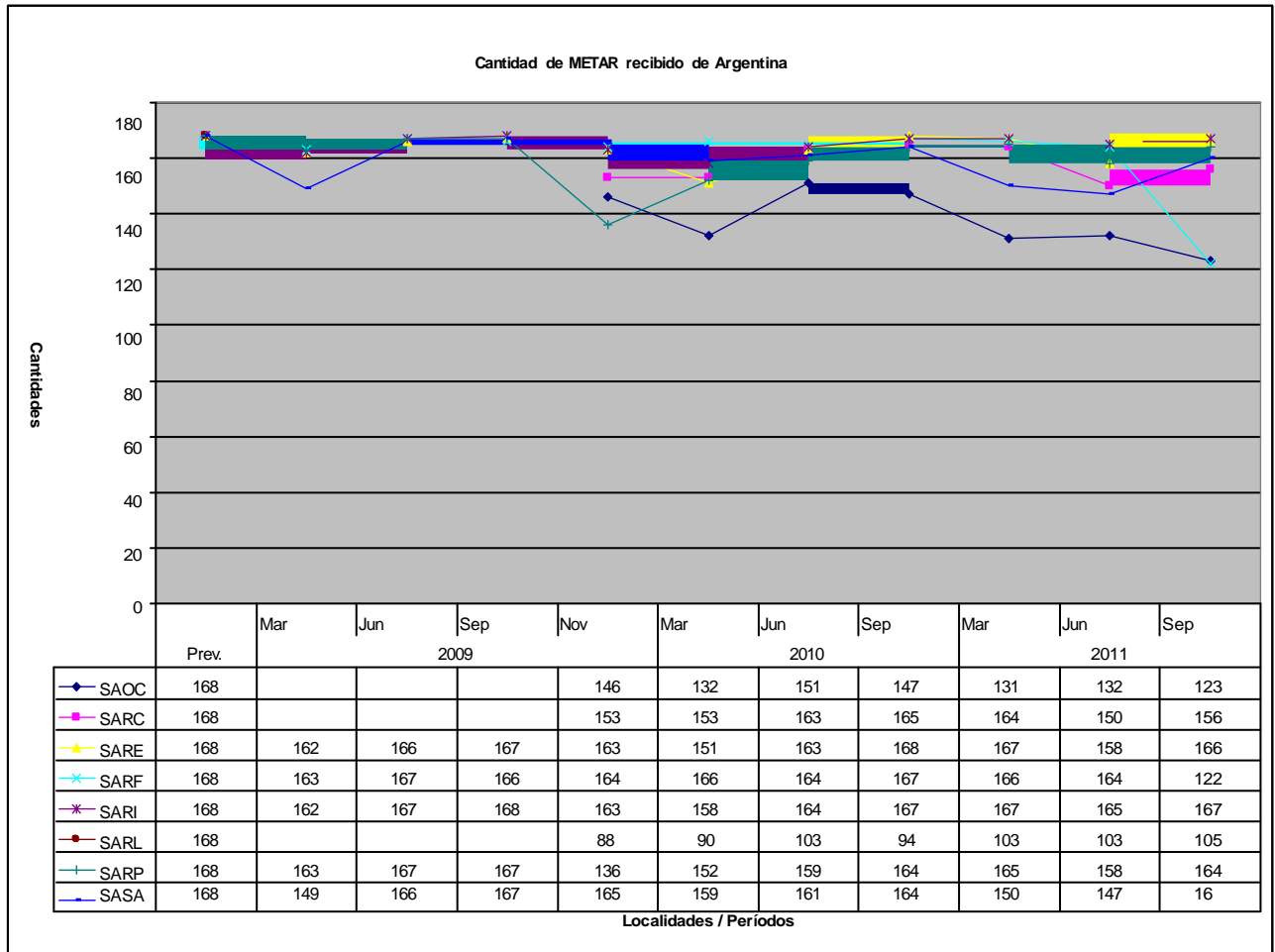
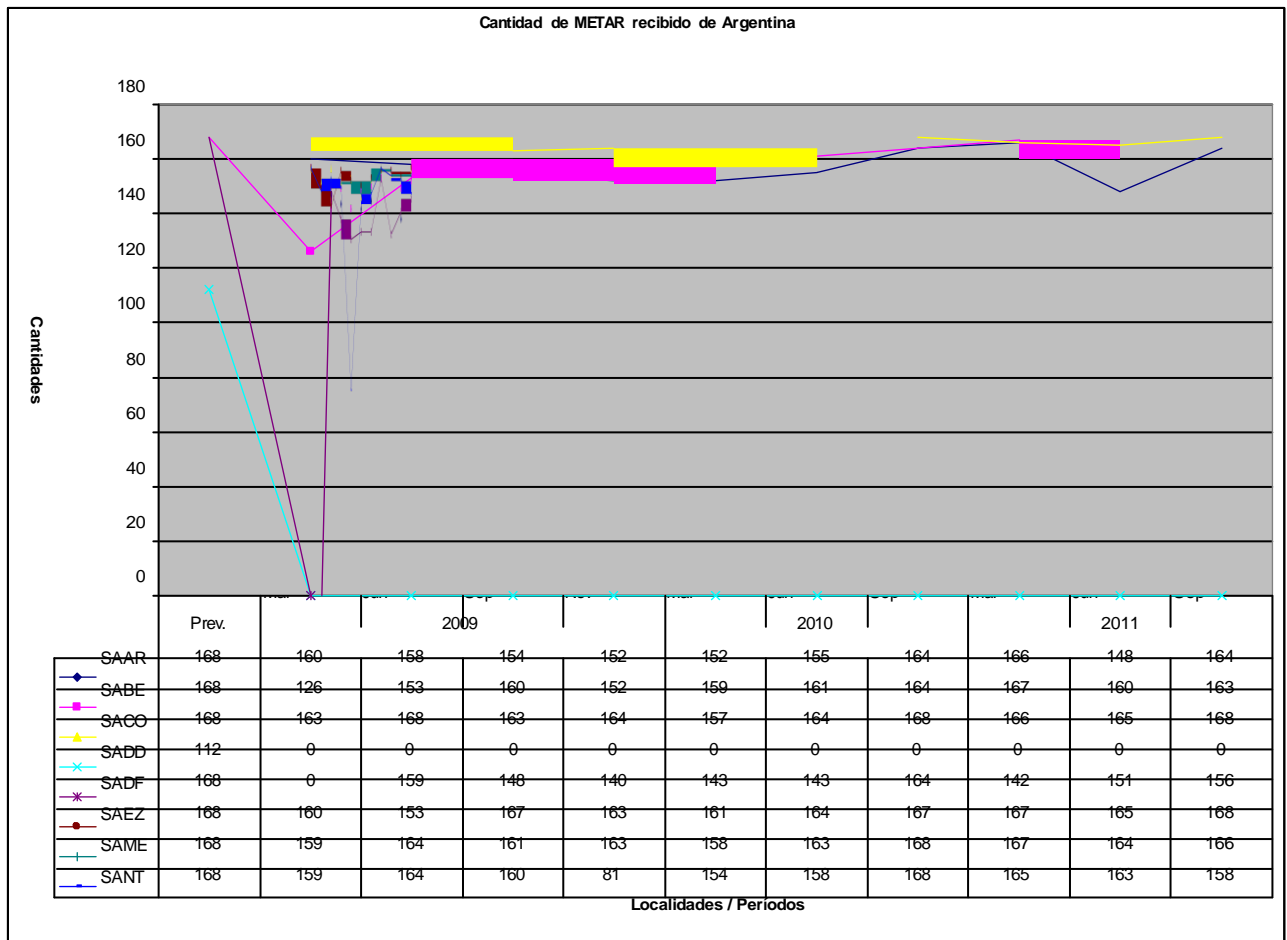


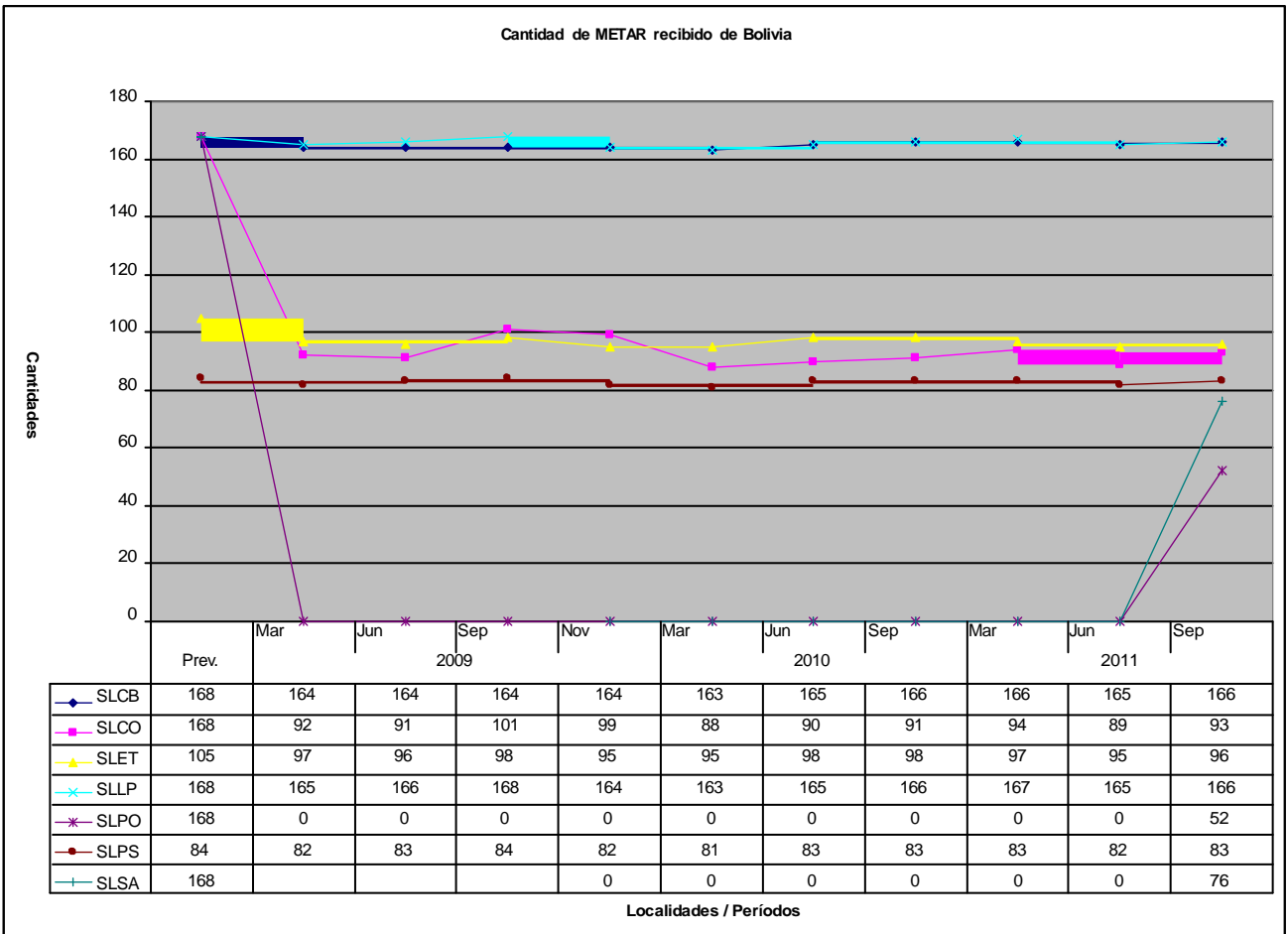
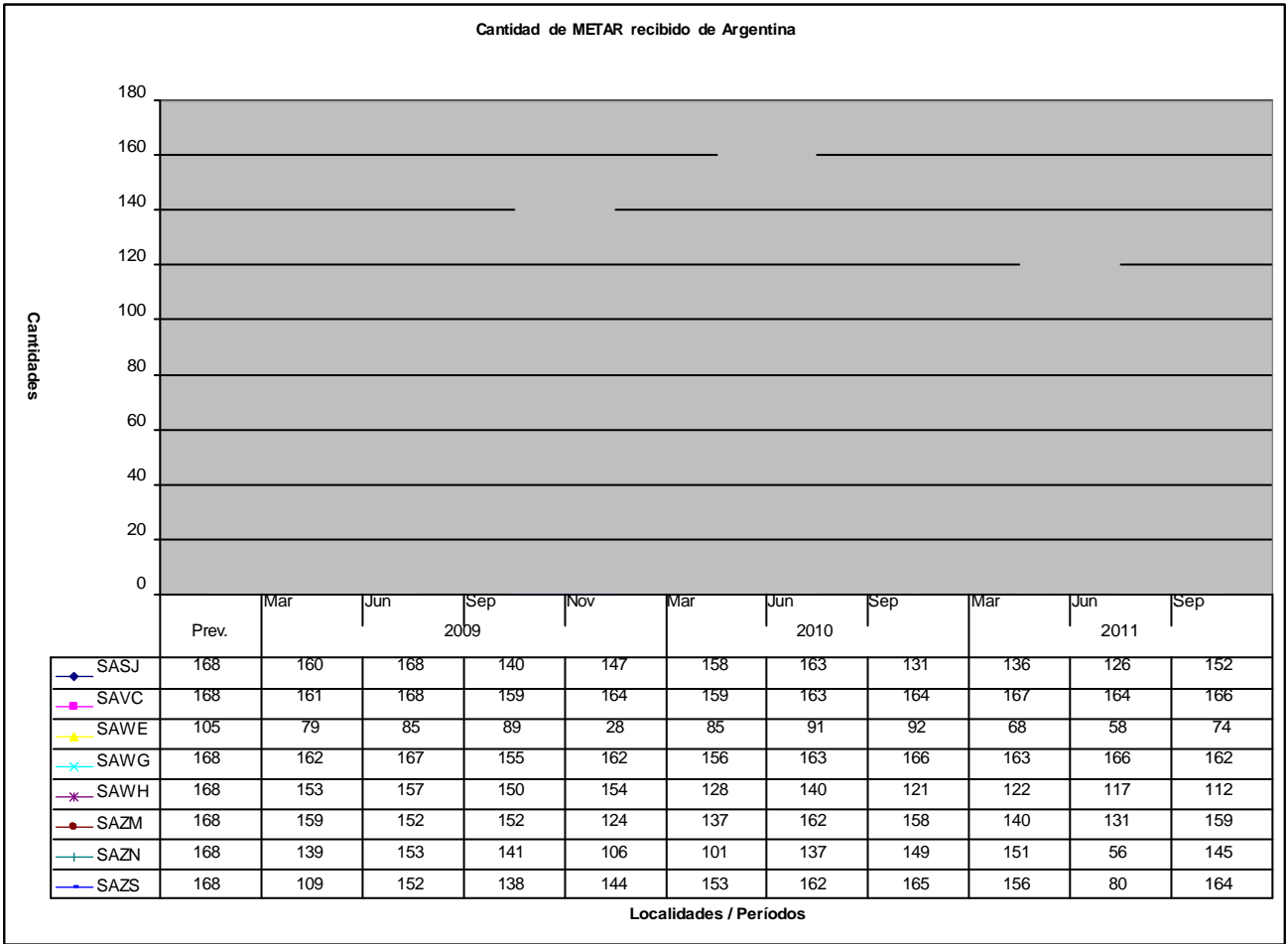
- B9 -

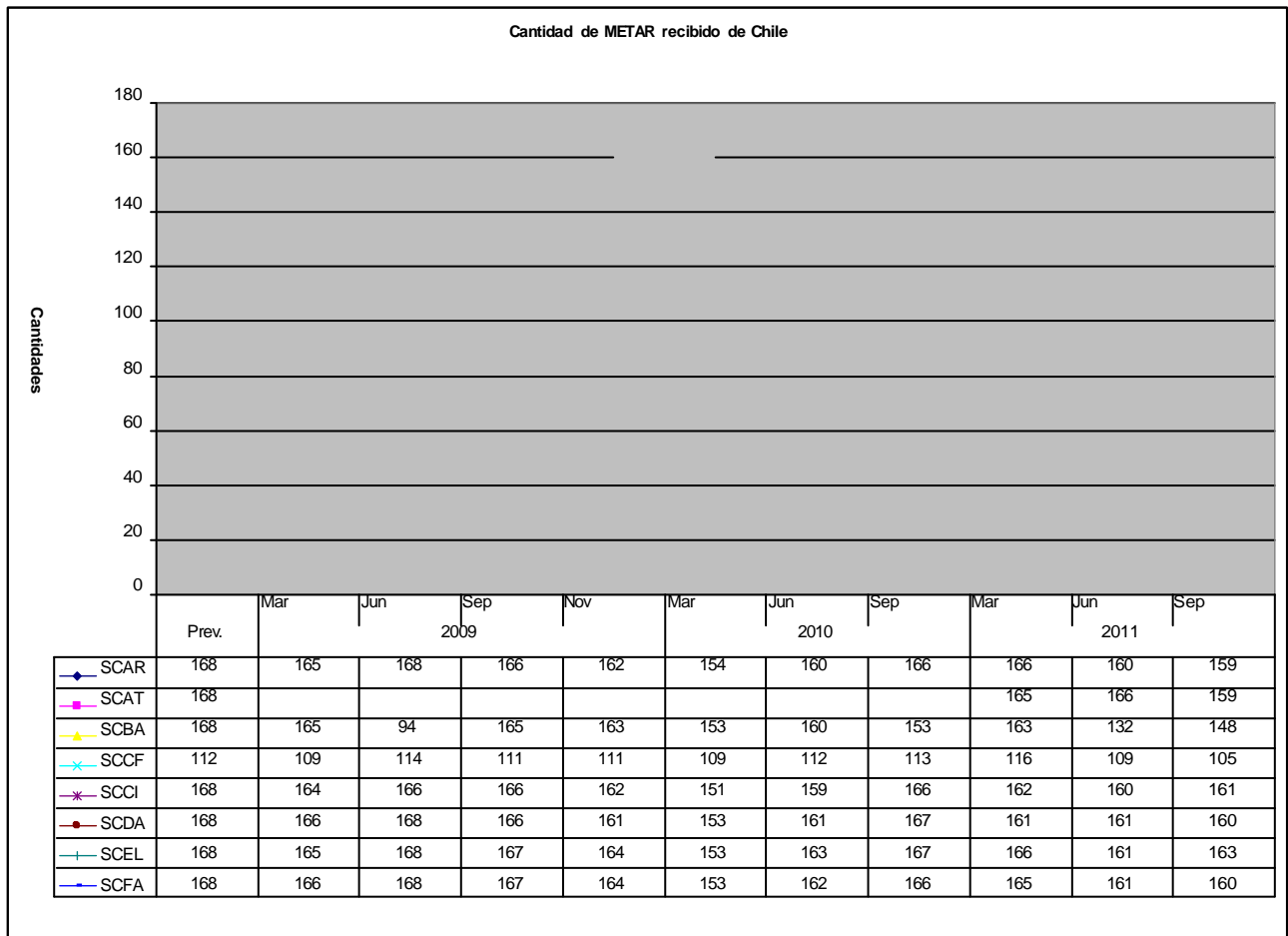
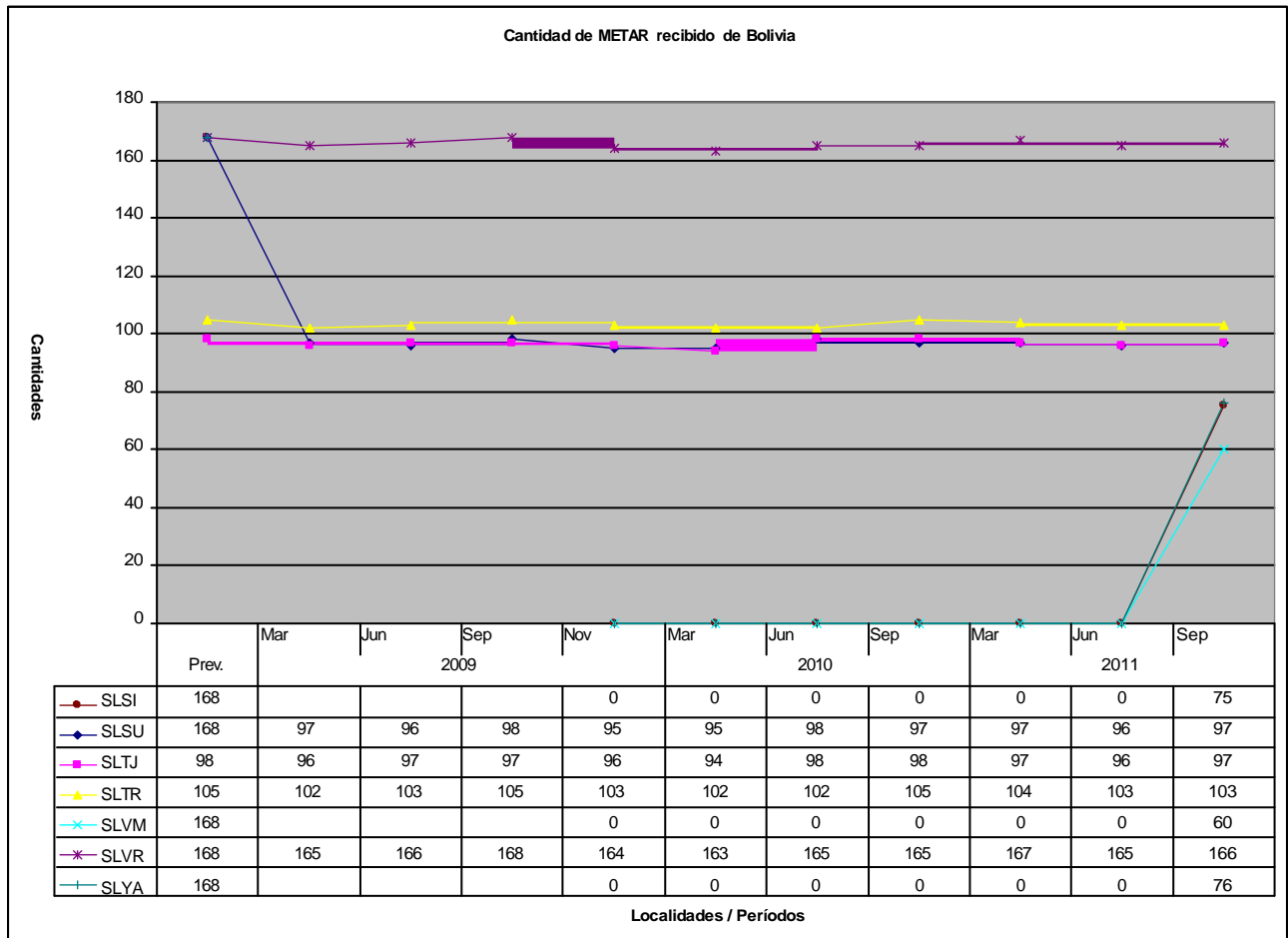
| Local                            | Horario de Func. | Prev | 2009 |     |     |     | 2010 |     |     | 2011 |     |     |
|----------------------------------|------------------|------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|                                  |                  |      | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| FAUP                             | H-24             | 168  | 165  | 140 | 0   | 162 | 155  | 165 | 168 | 165  | 148 | 156 |
| FAWK                             | H-24             | 168  | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 16  |
| Botsuana                         |                  |      |      |     |     |     |      |     |     |      |     |     |
| FBSK                             | H-24             | 168  | 2    | 0   | 0   | 0   | 0    | 0   | 70  | 47   | 114 | 156 |
| Cabo Verde                       |                  |      |      |     |     |     |      |     |     |      |     |     |
| GVAC                             | H-24             | 168  | 156  | 158 | 155 | 159 | 154  | 163 | 160 | 167  | 164 | 163 |
| Costa de Marfil                  |                  |      |      |     |     |     |      |     |     |      |     |     |
| DIAP                             | H-24             | 168  | 0    | 0   | 0   | 163 | 164  | 167 | 165 | 167  | 154 | 168 |
| Isla Ascensión                   |                  |      |      |     |     |     |      |     |     |      |     |     |
| FHAW                             | H-24             | 168  | 83   | 88  | 104 | 102 | 100  | 118 | 82  | 88   | 71  | 81  |
| Namibia                          |                  |      |      |     |     |     |      |     |     |      |     |     |
| FYWH                             | H-24             | 168  | 0    | 0   | 0   | 0   | 0    | 0   | 75  | 0    | 0   | 149 |
| República do Guinea              |                  |      |      |     |     |     |      |     |     |      |     |     |
| GUCY                             | H-24             | 168  | 100  | 75  | 87  | 97  | 81   | 62  | 58  | 24   | 20  | 73  |
| Senegal                          |                  |      |      |     |     |     |      |     |     |      |     |     |
| GOOY                             | H-24             | 168  | 0    | 0   | 0   | 163 | 165  | 165 | 166 | 167  | 162 | 159 |
| Sierra Leona                     |                  |      |      |     |     |     |      |     |     |      |     |     |
| GFLI                             | H-24             | 168  | 65   | 0   | 0   | 67  | 68   | 42  | 72  | 37   | 0   | 55  |
| Región PAC<br>Polinesia Francesa |                  |      |      |     |     |     |      |     |     |      |     |     |
| NTAA                             | H-24             | 168  | 150  | 154 | 155 | 152 | 159  | 129 | 168 | 168  | 144 | 168 |
| NTTG                             | H-24             | 168  | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |

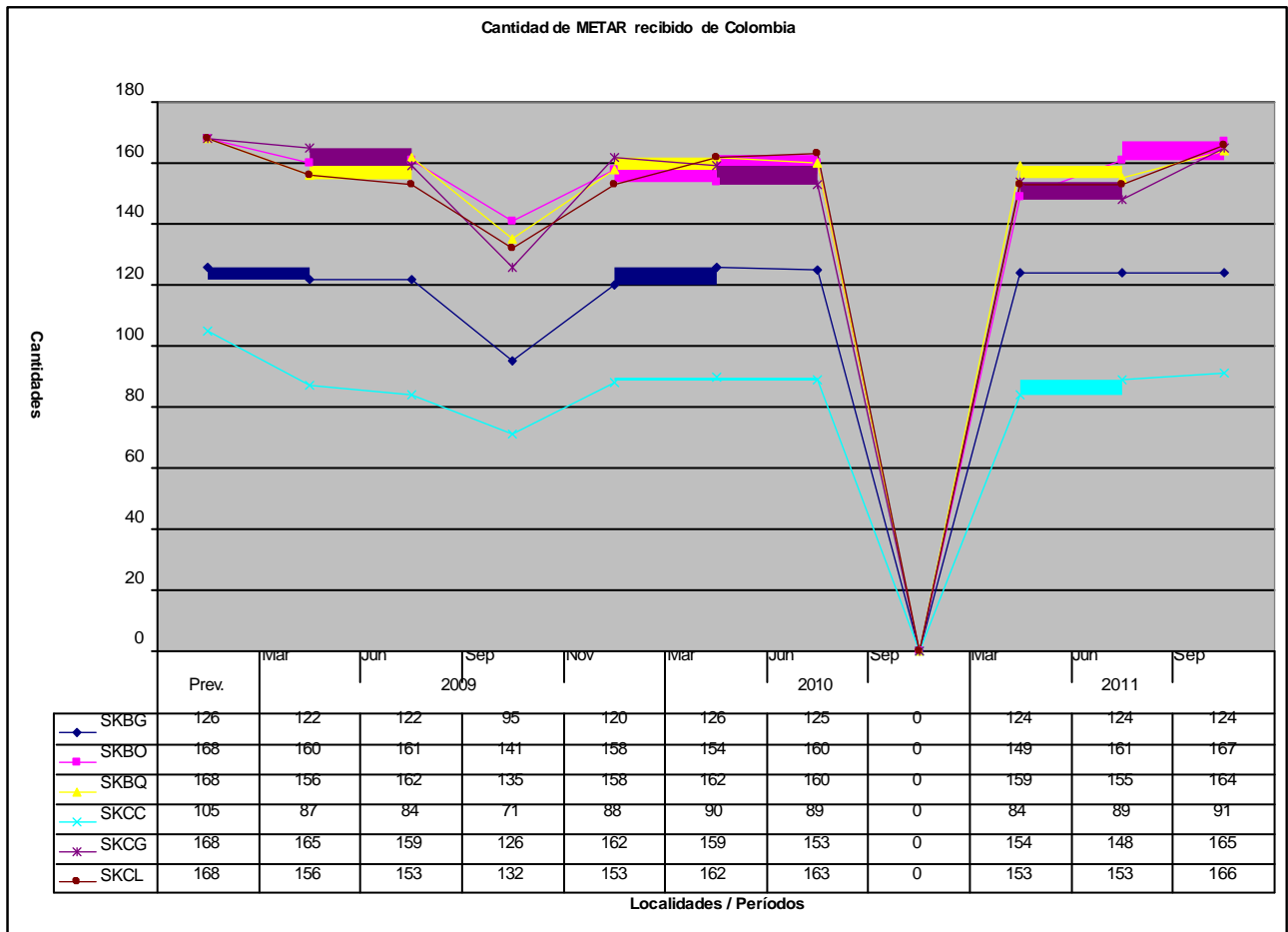
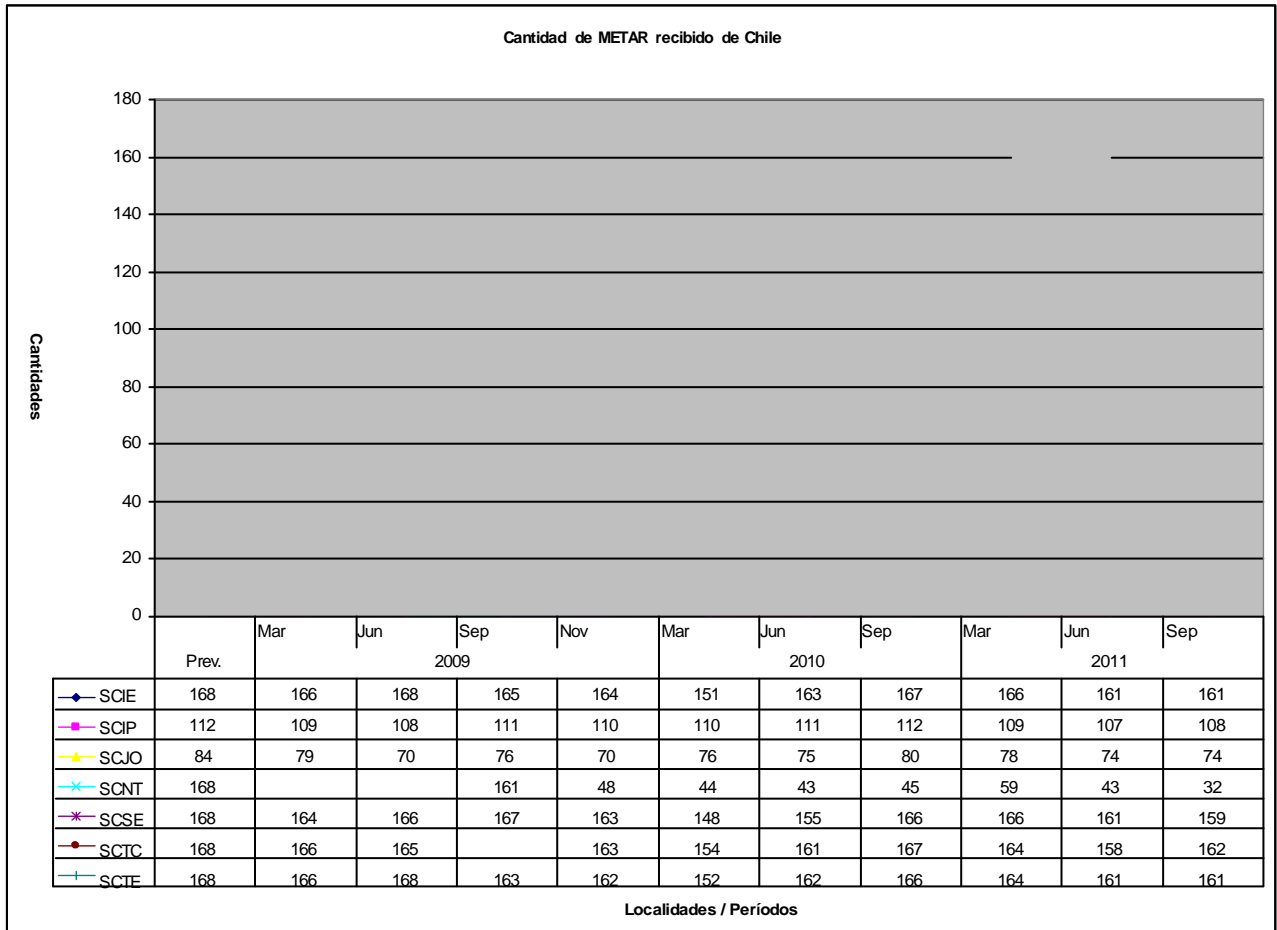
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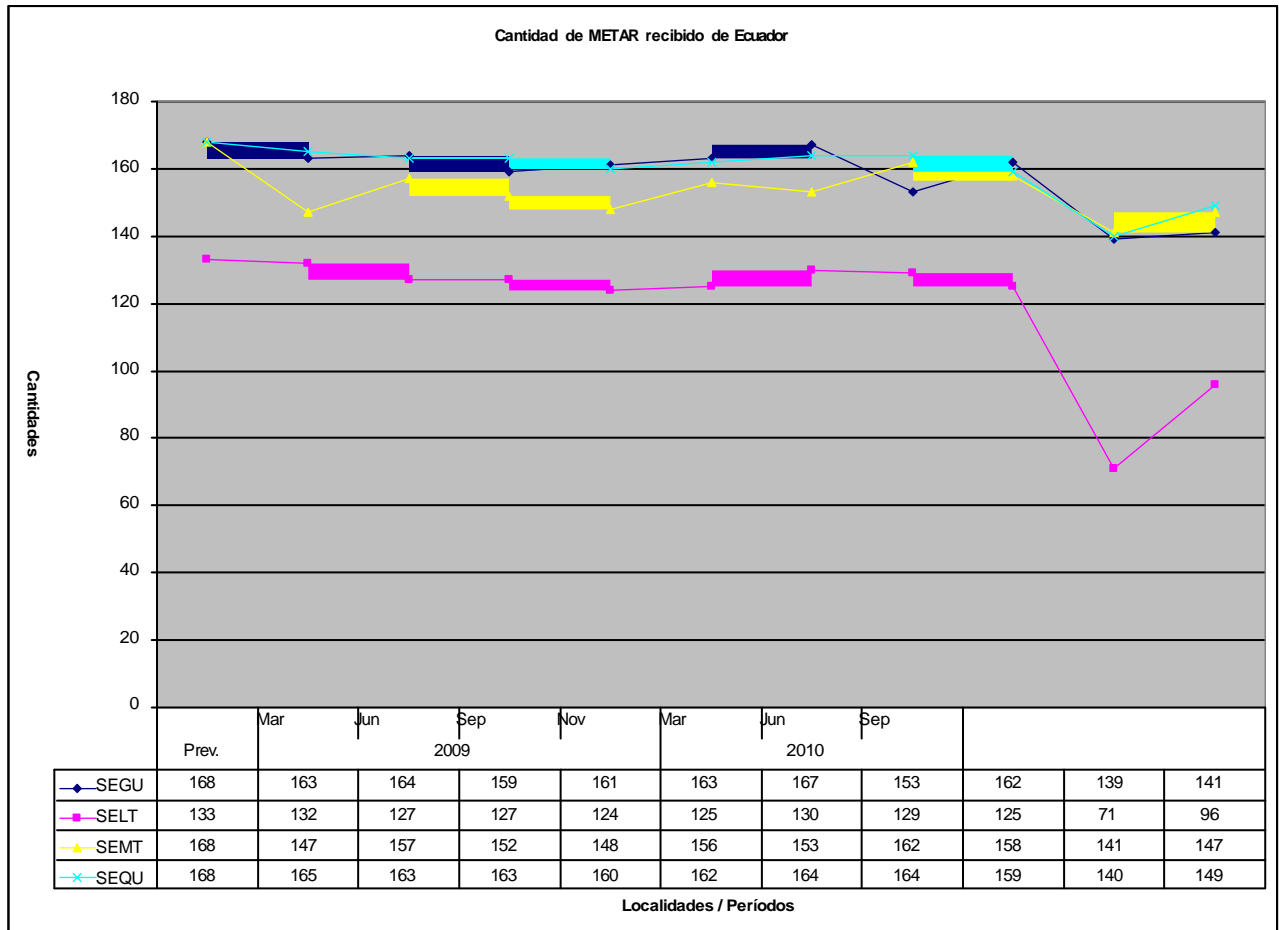
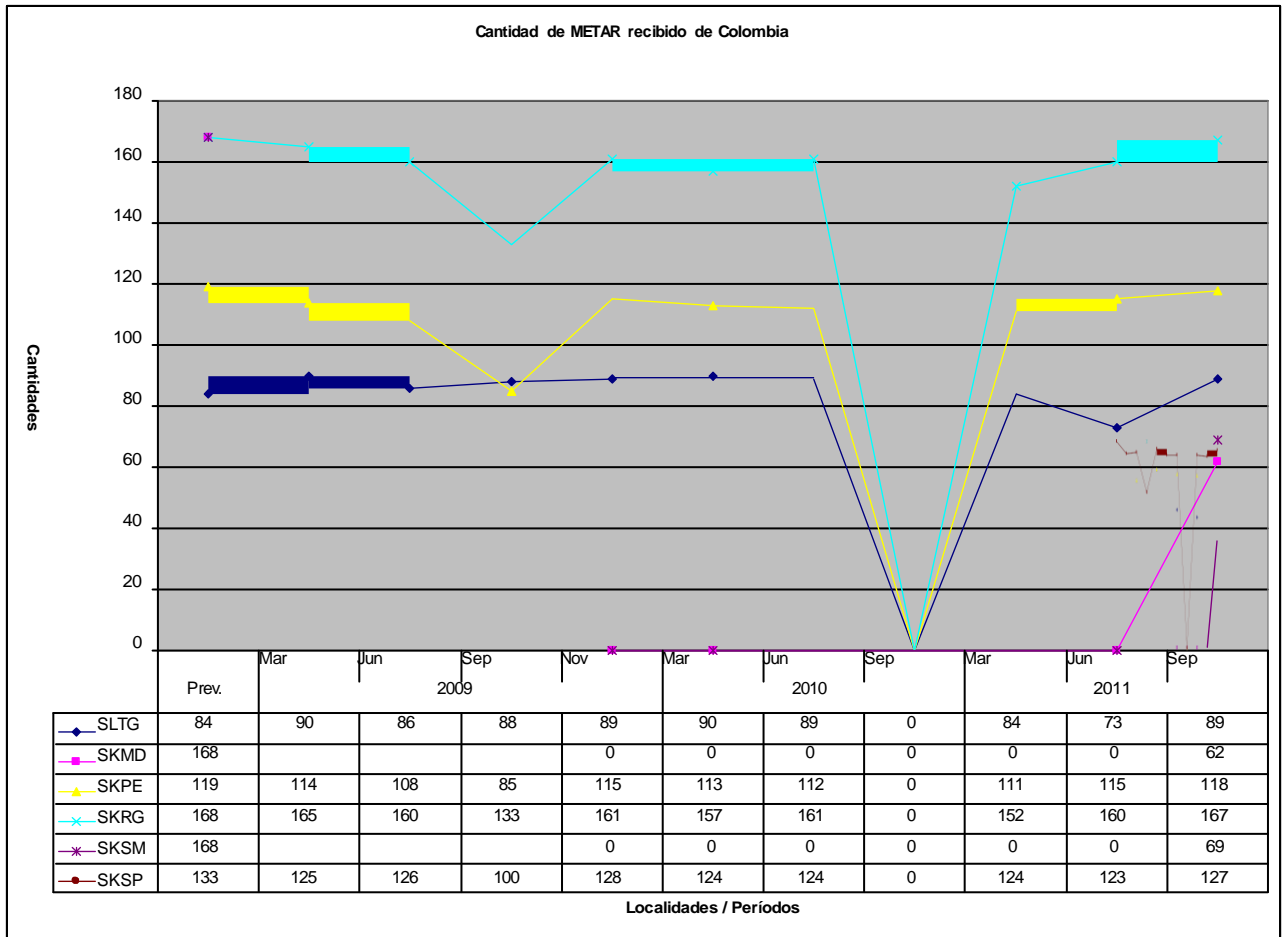
- 1) The hours of operation have been informed by ICAO.
- 2) The hours of operation in italics were obtained in the AIP of the corresponding States.
- 3)  The exchange not foreseen in this METAR period.

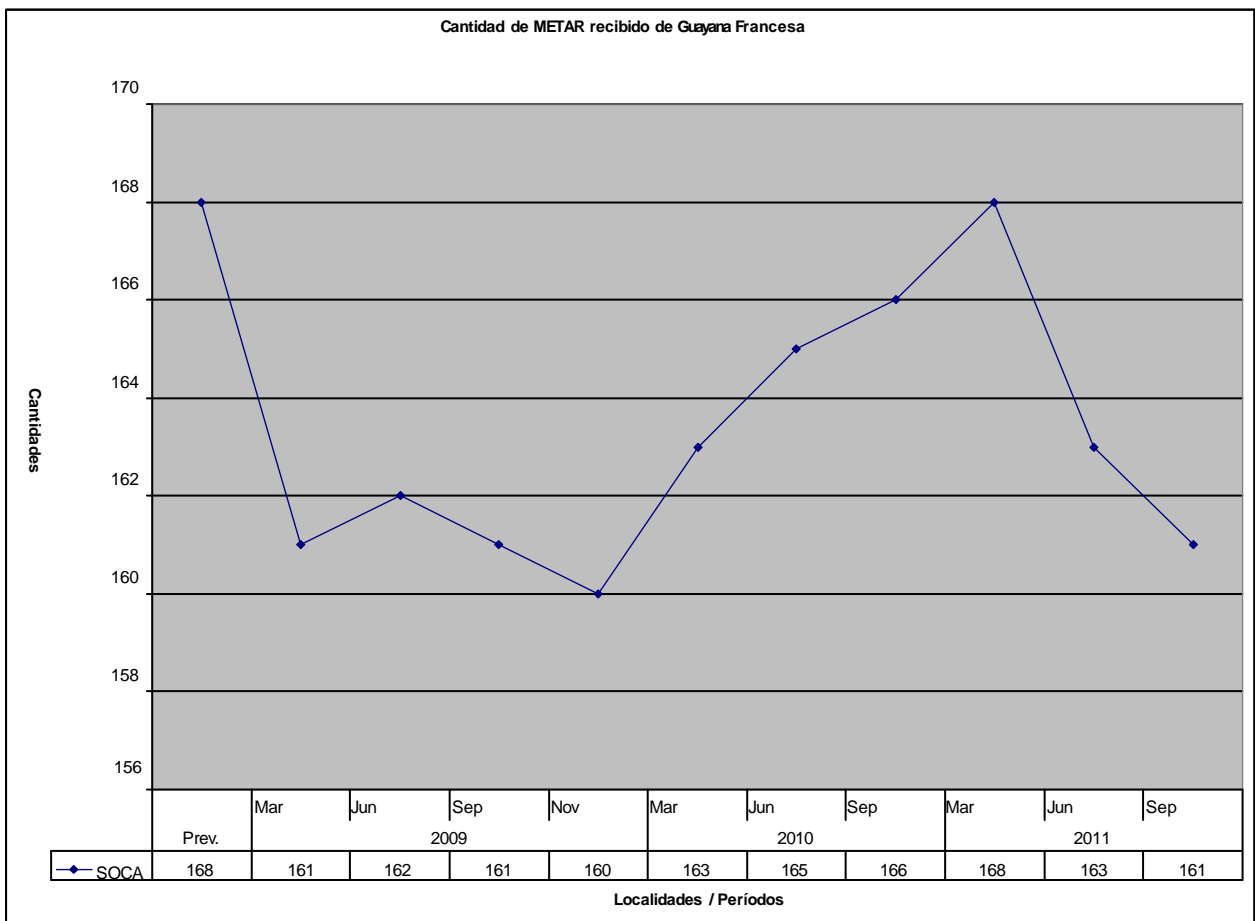
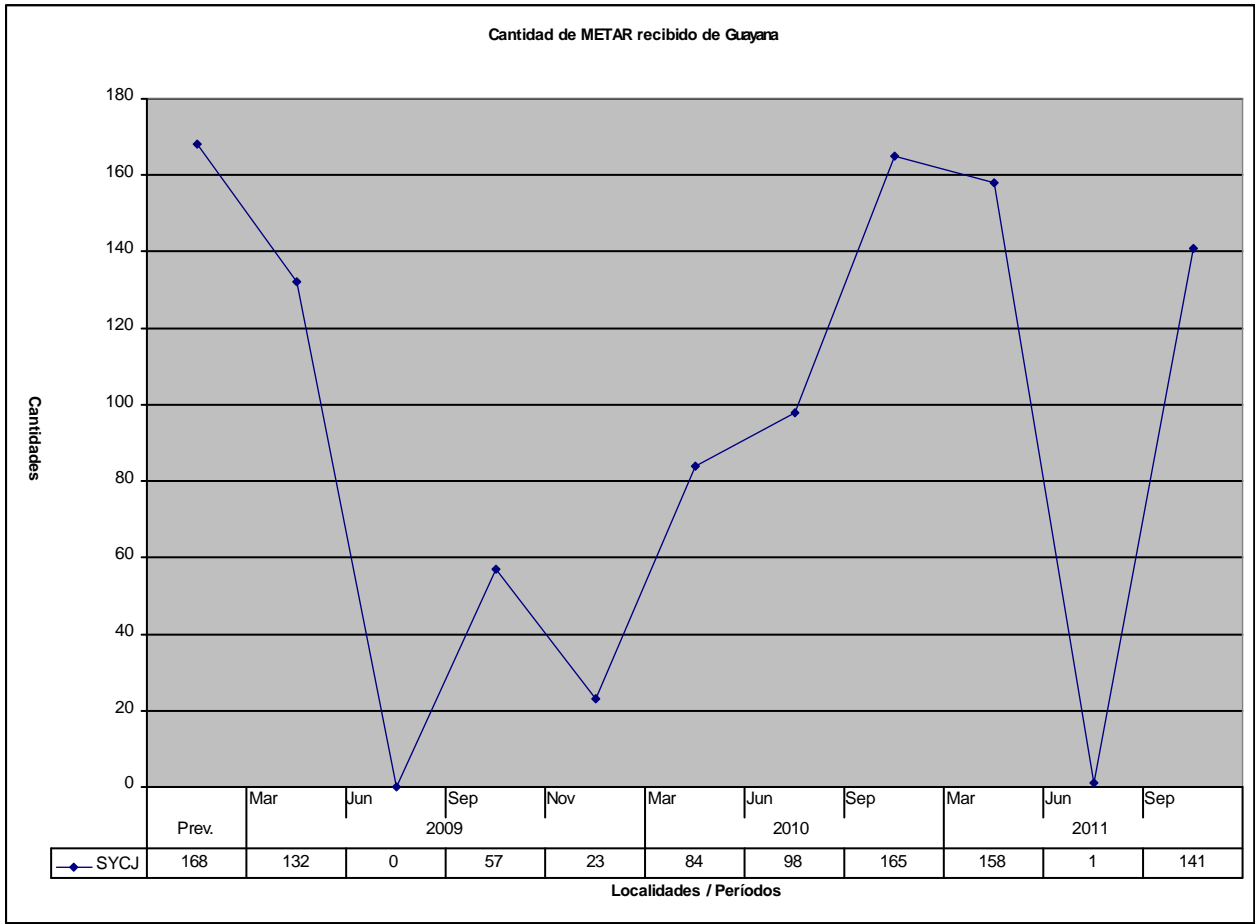


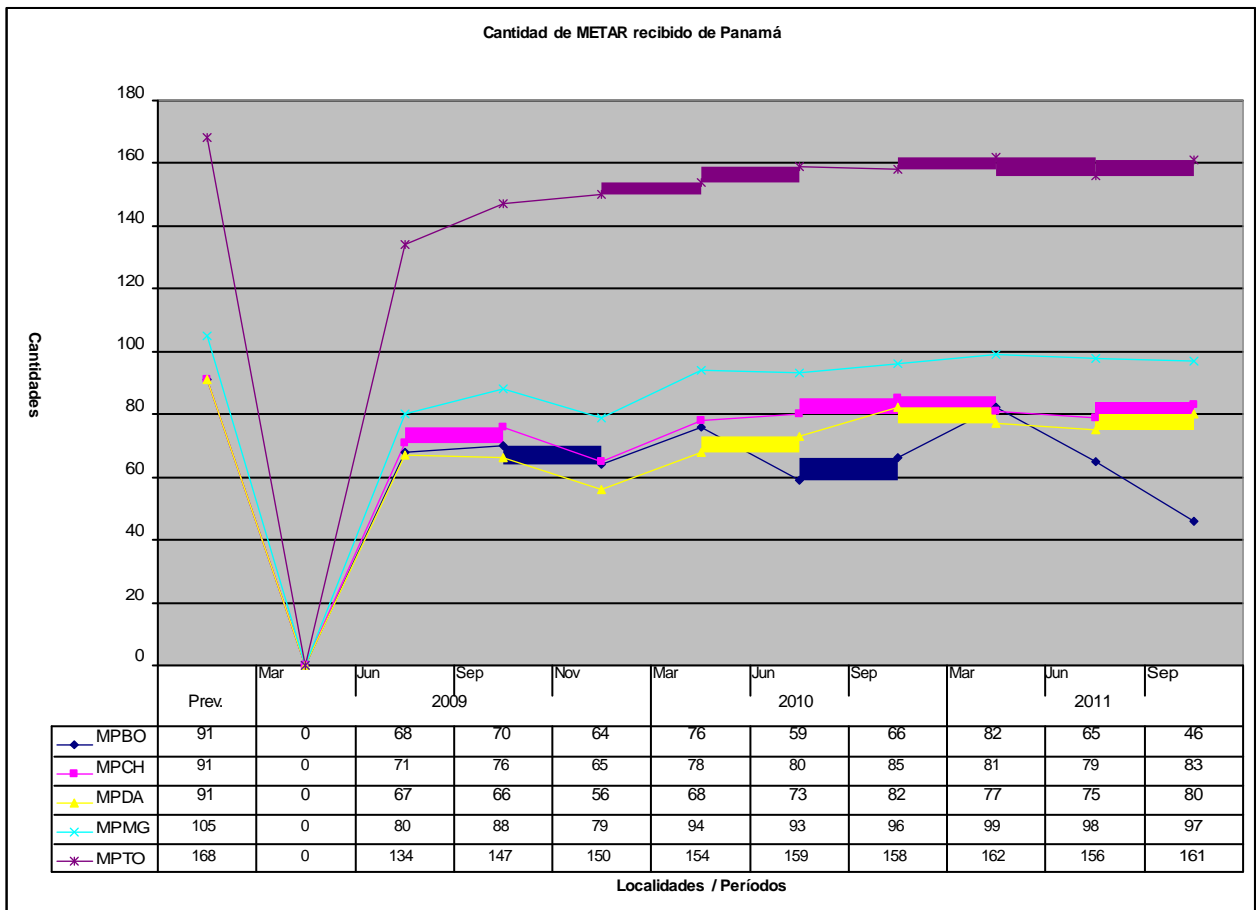
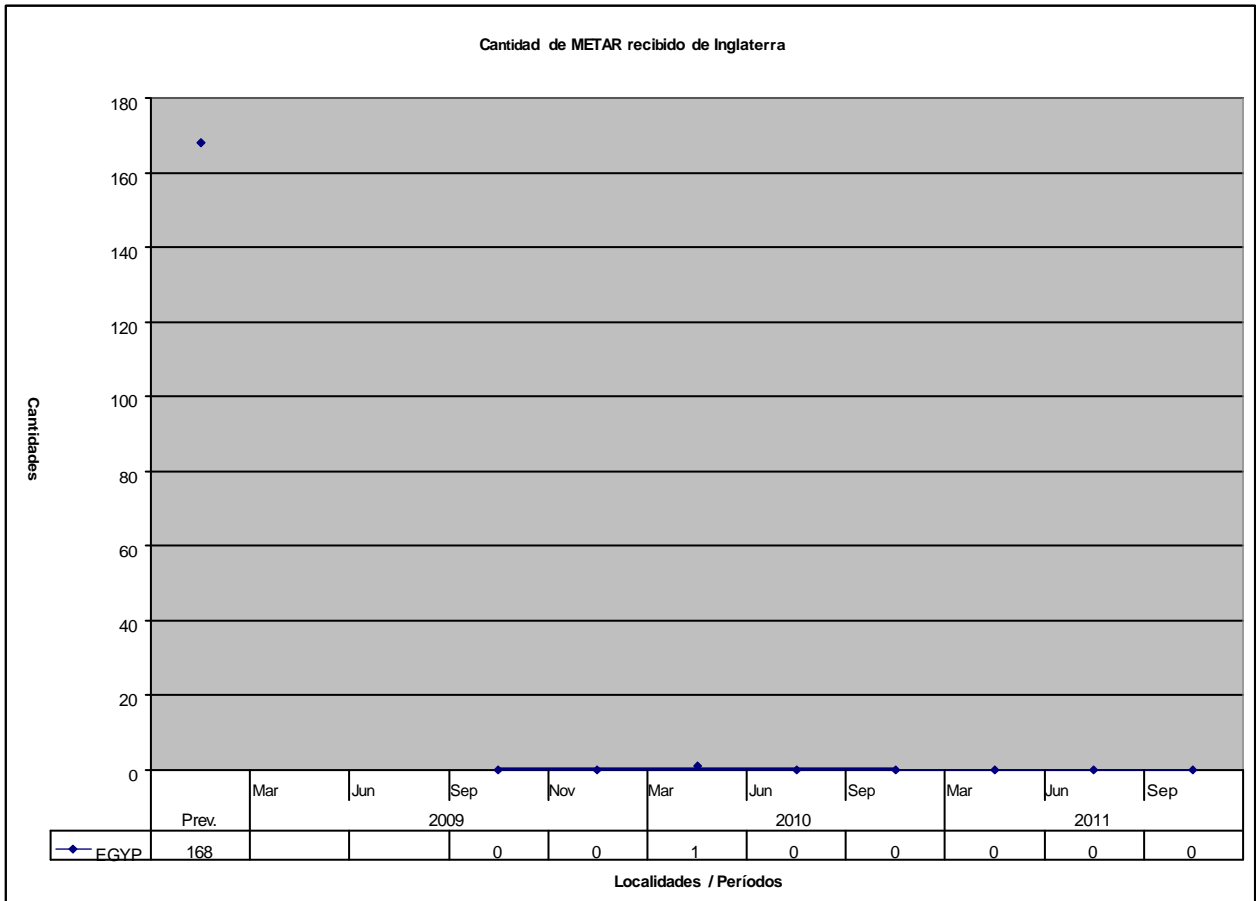


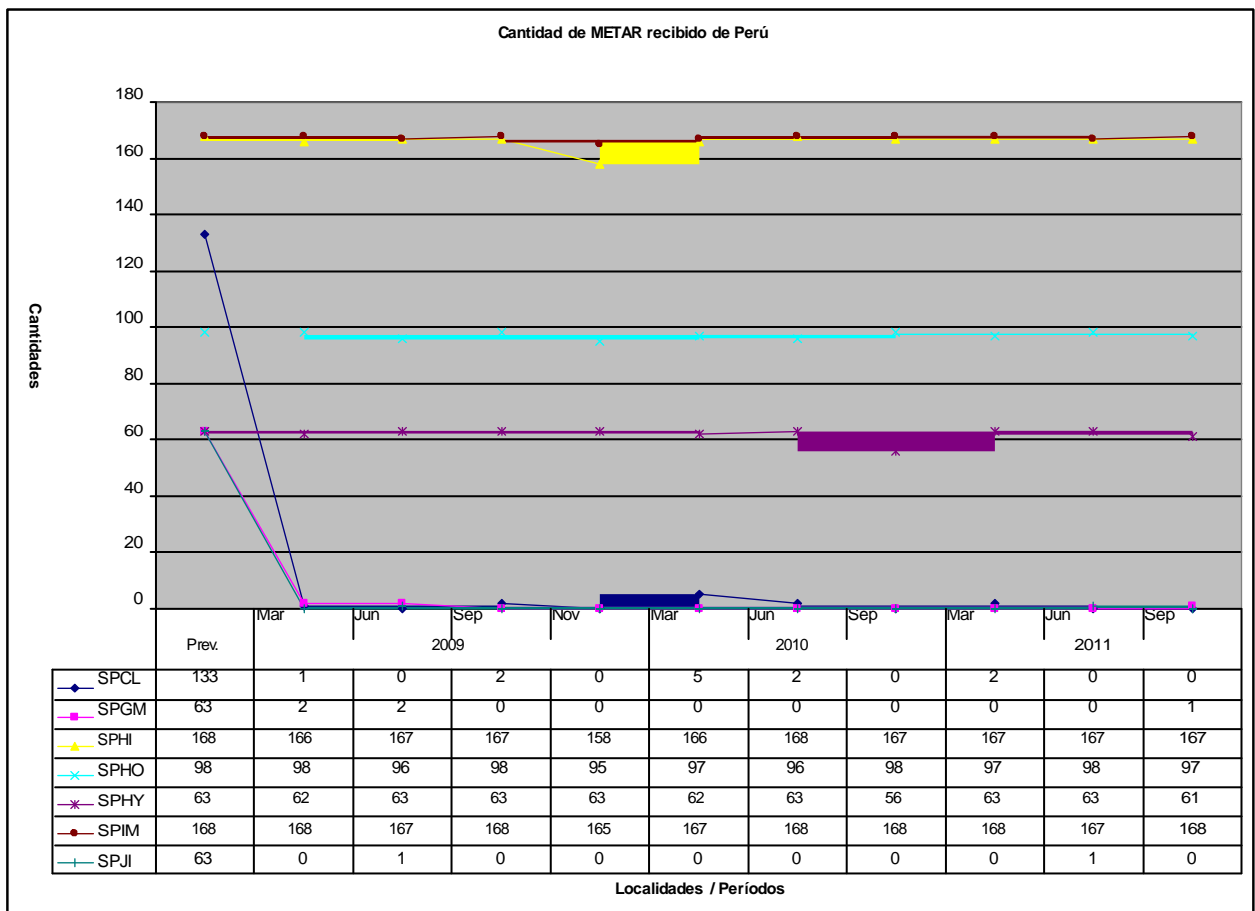
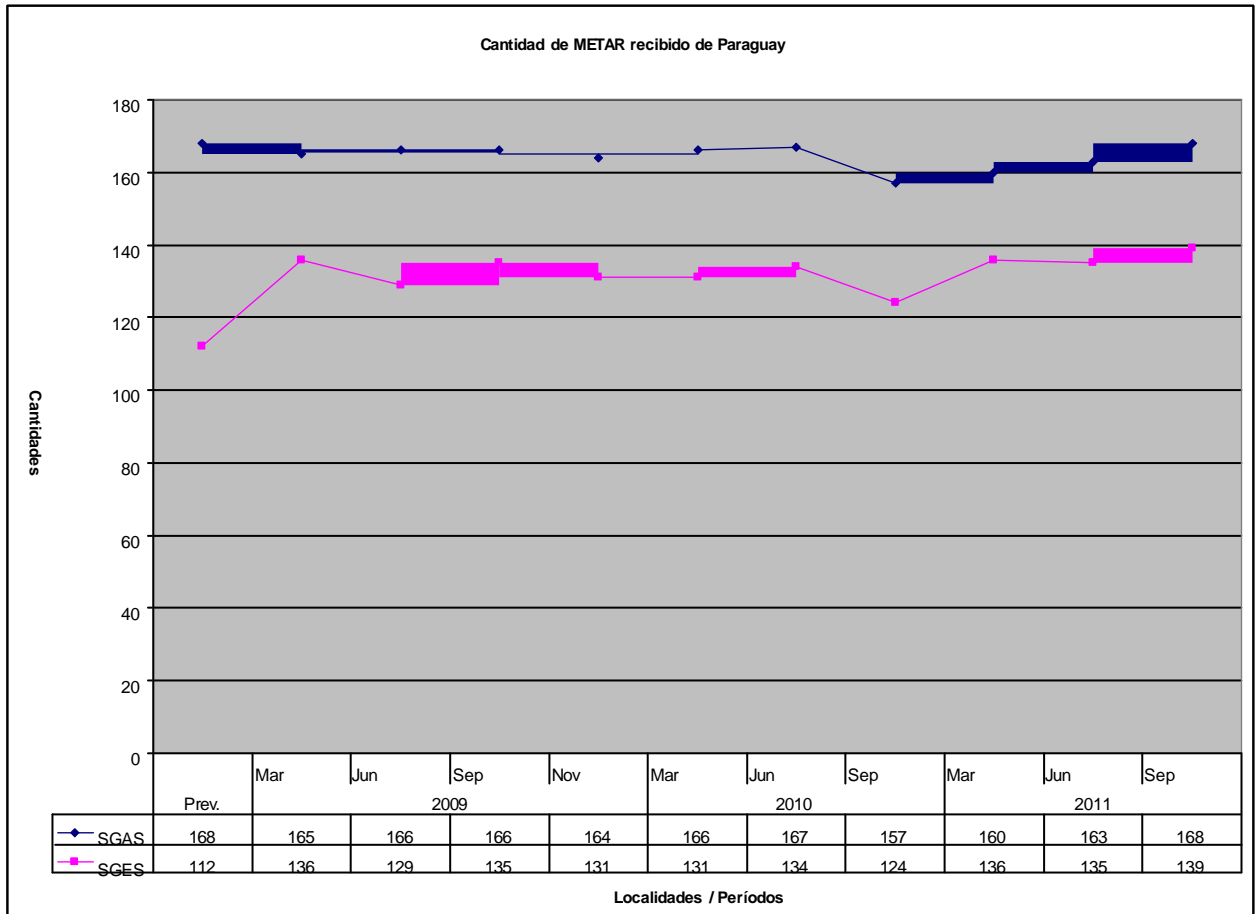


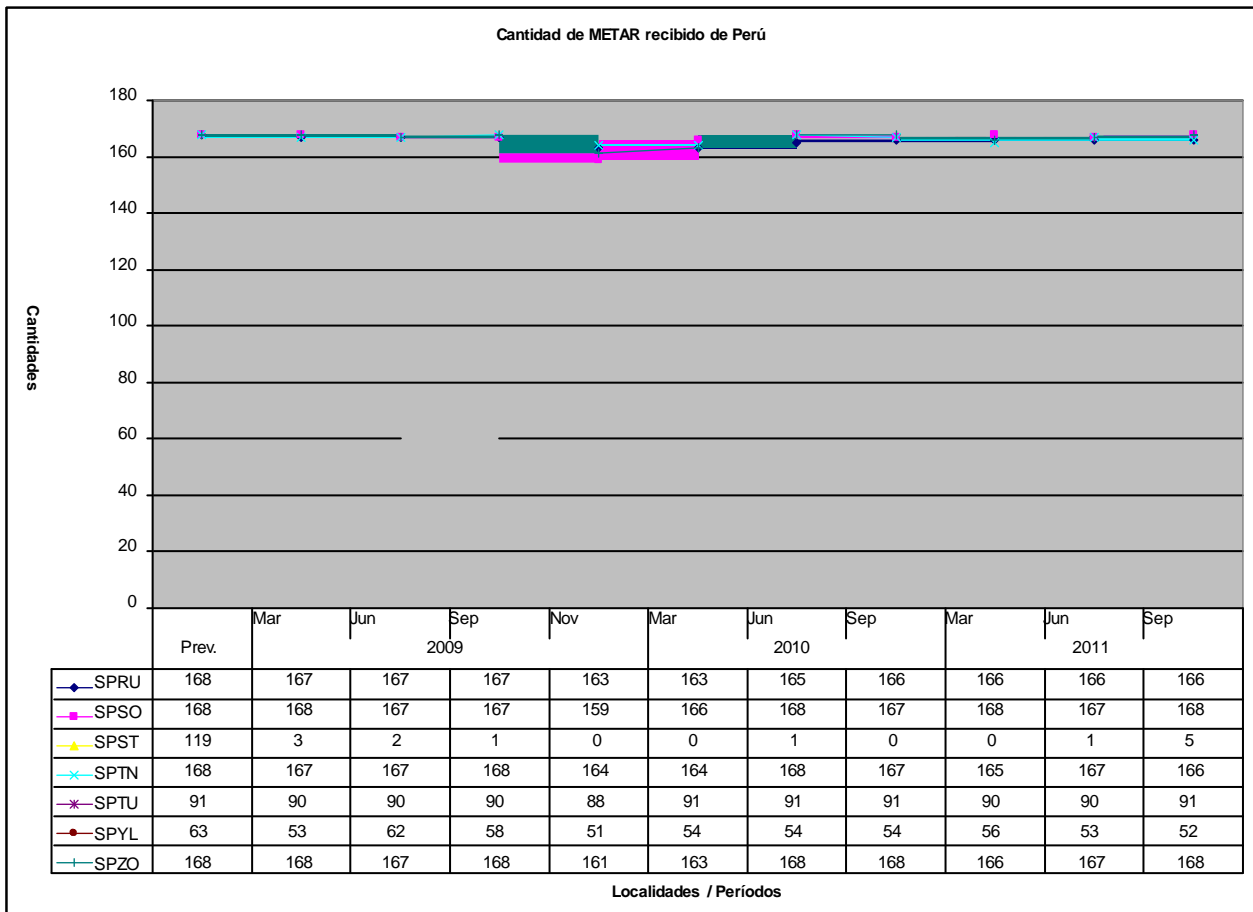
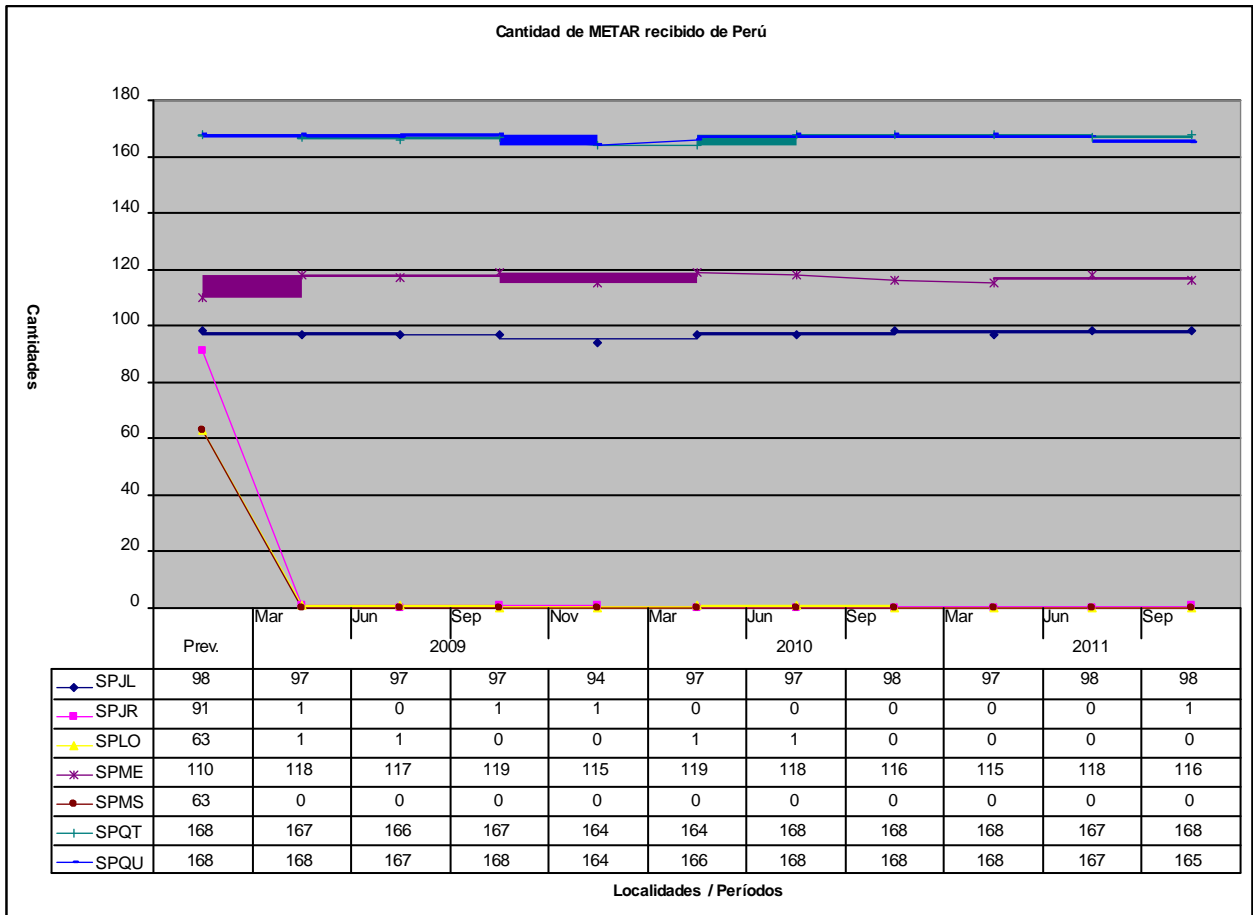


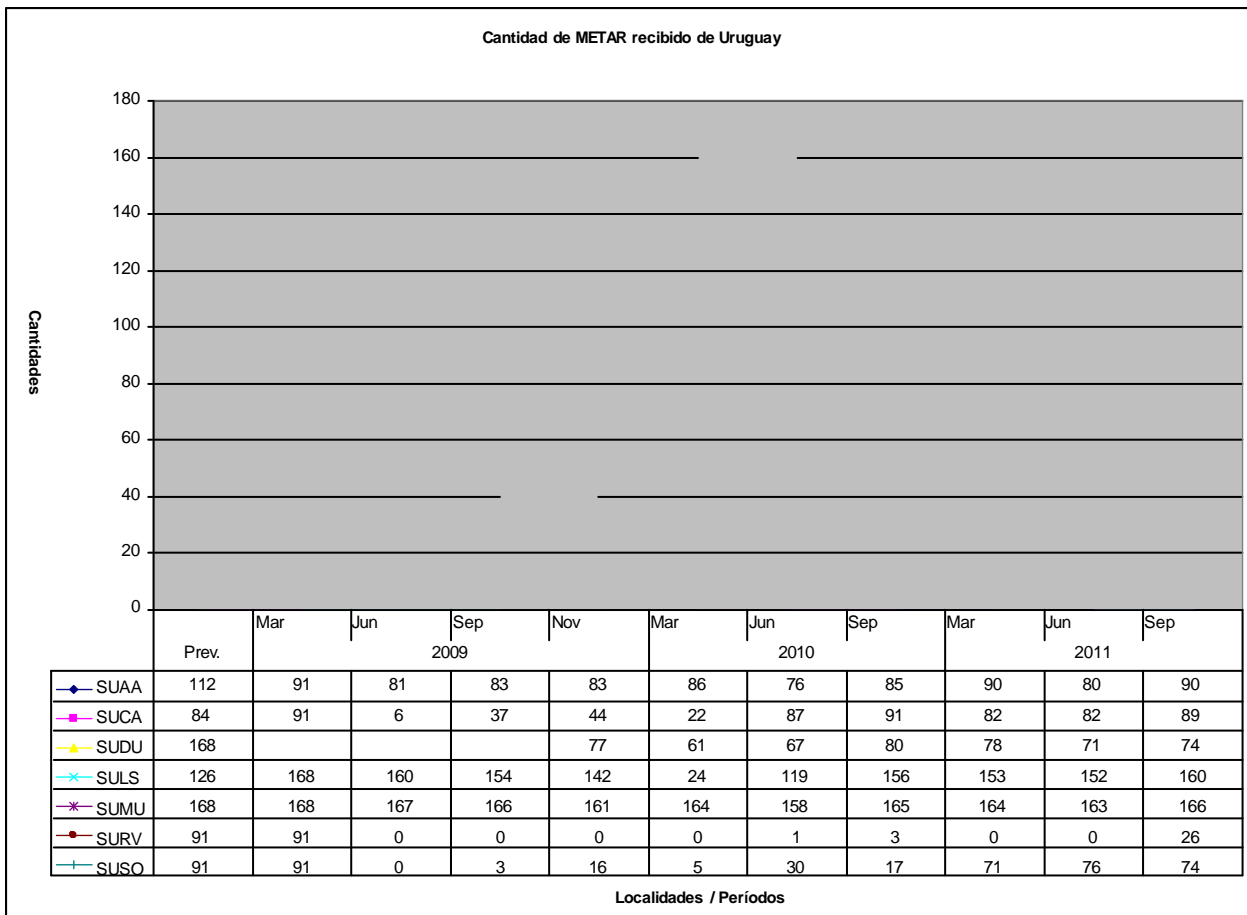
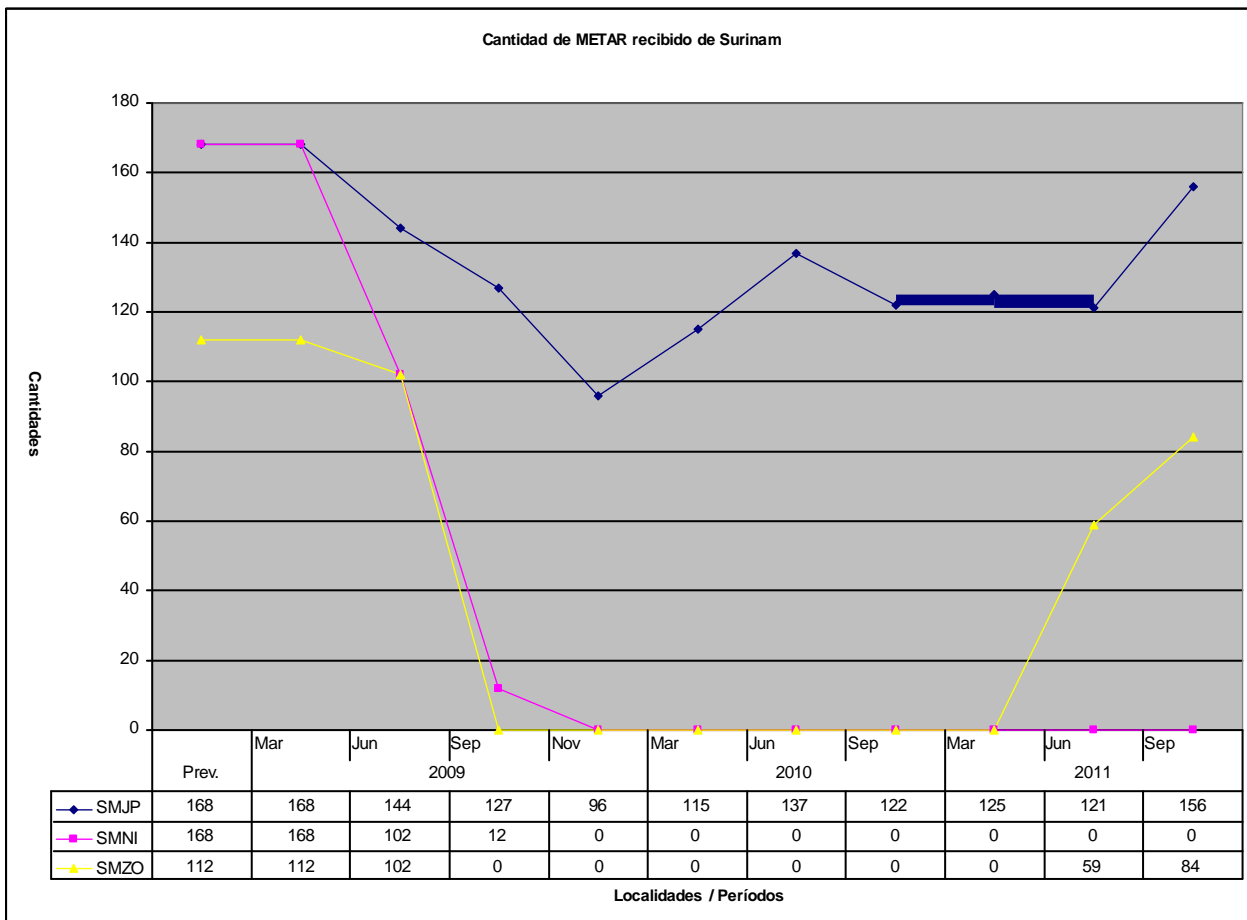


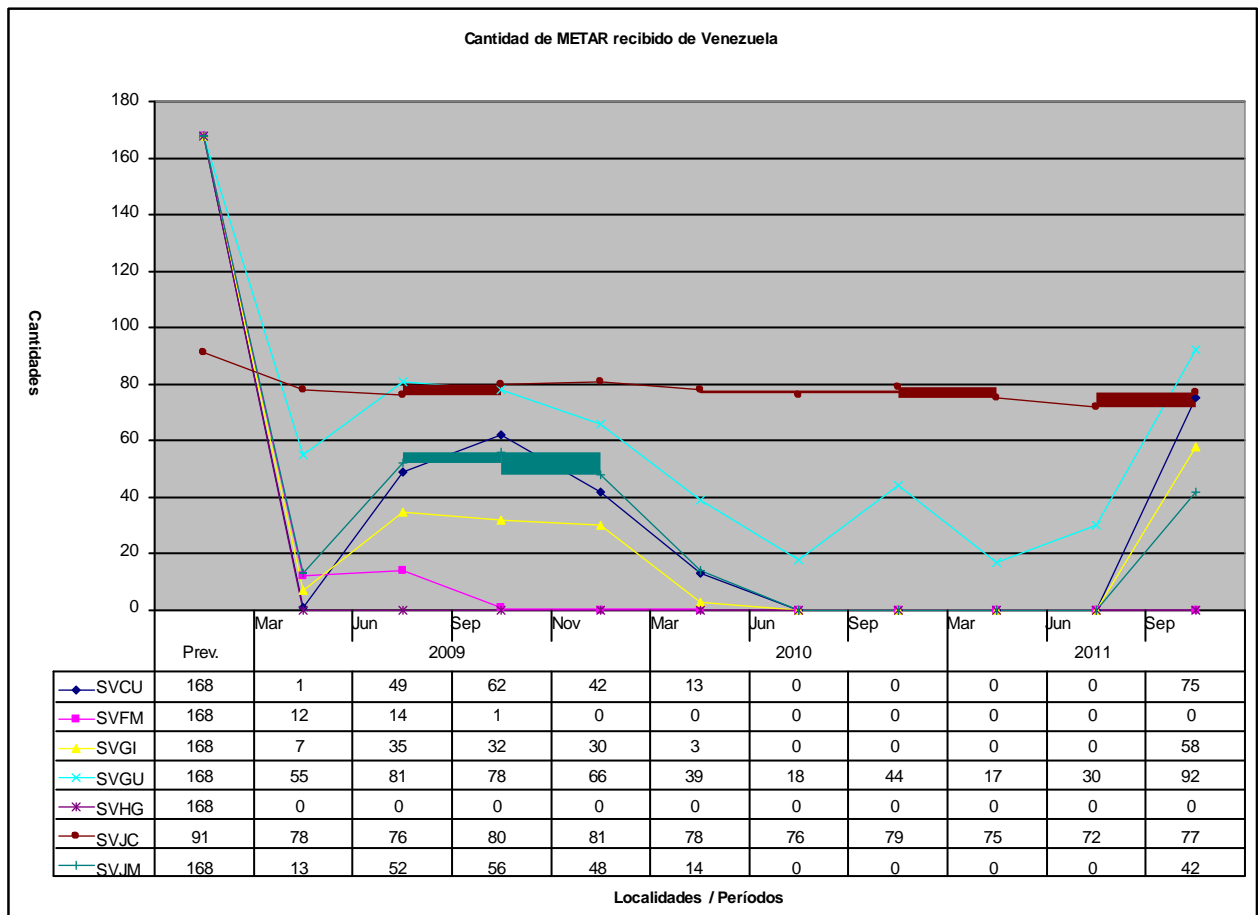
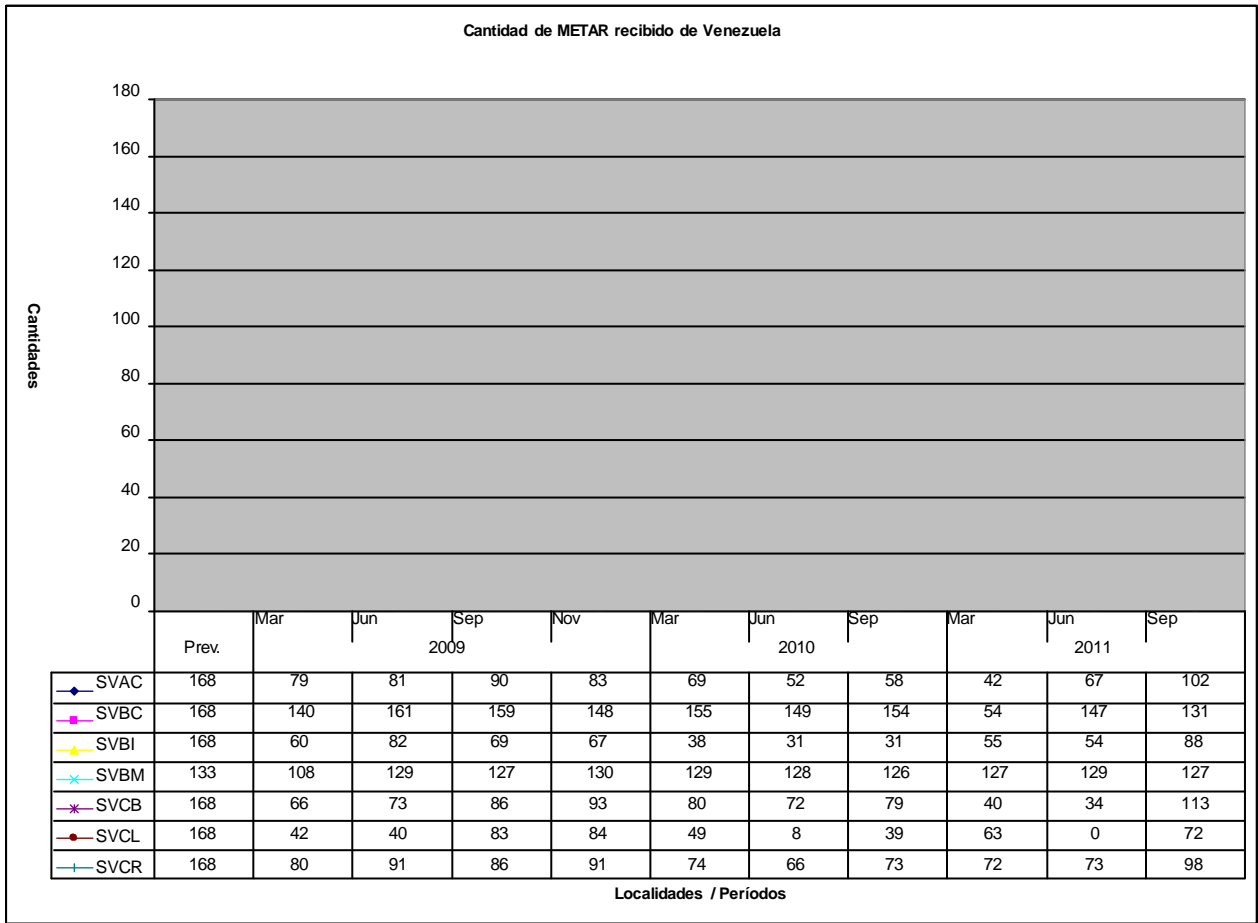


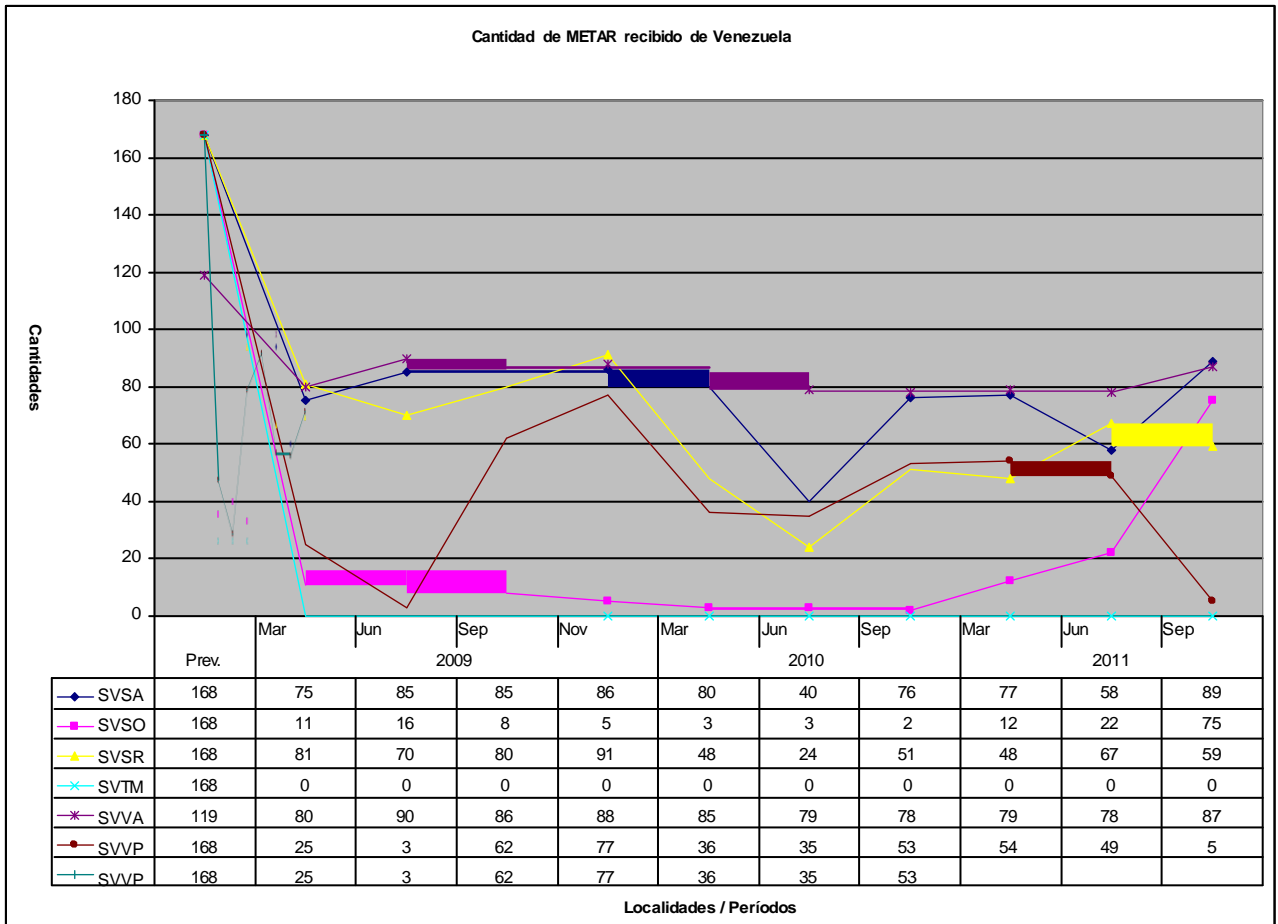
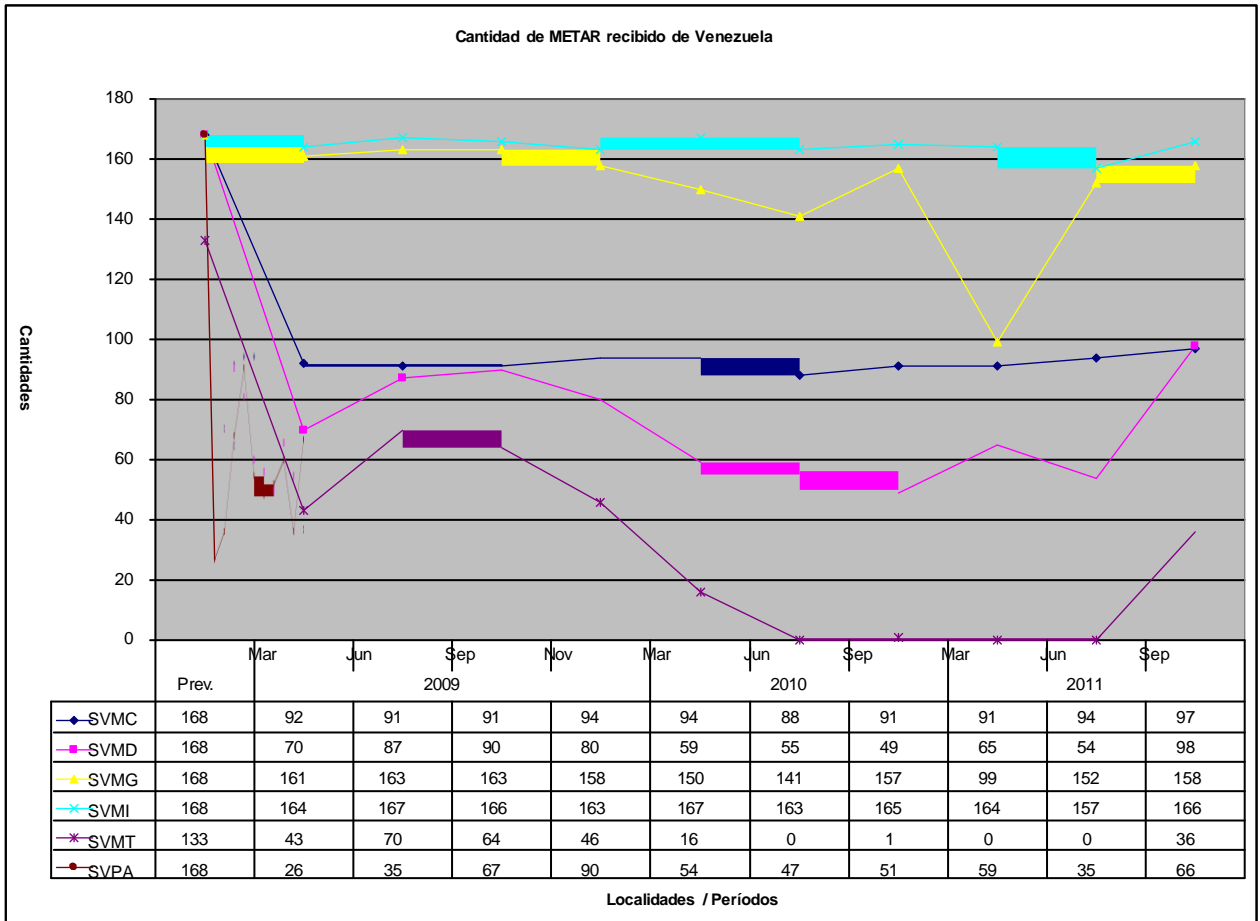


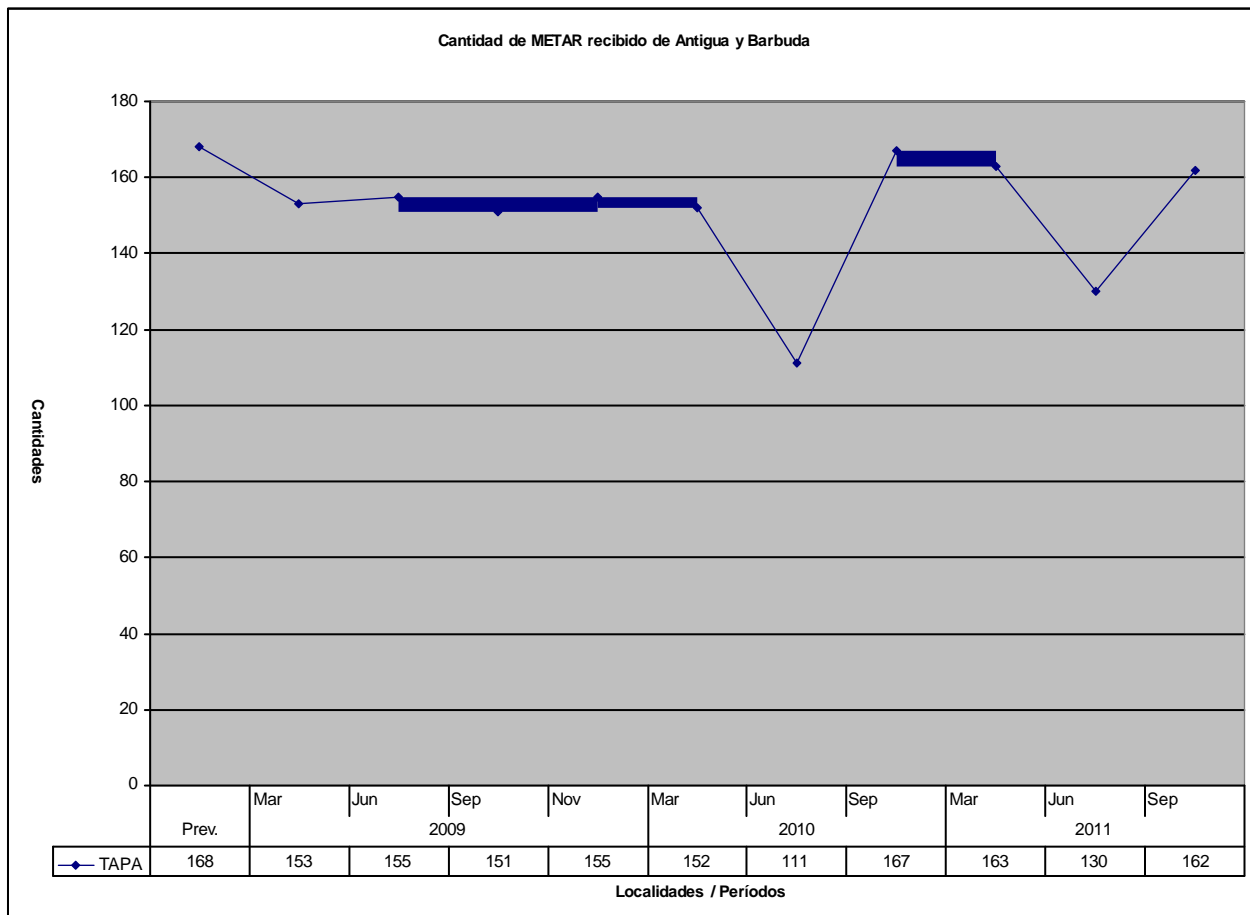
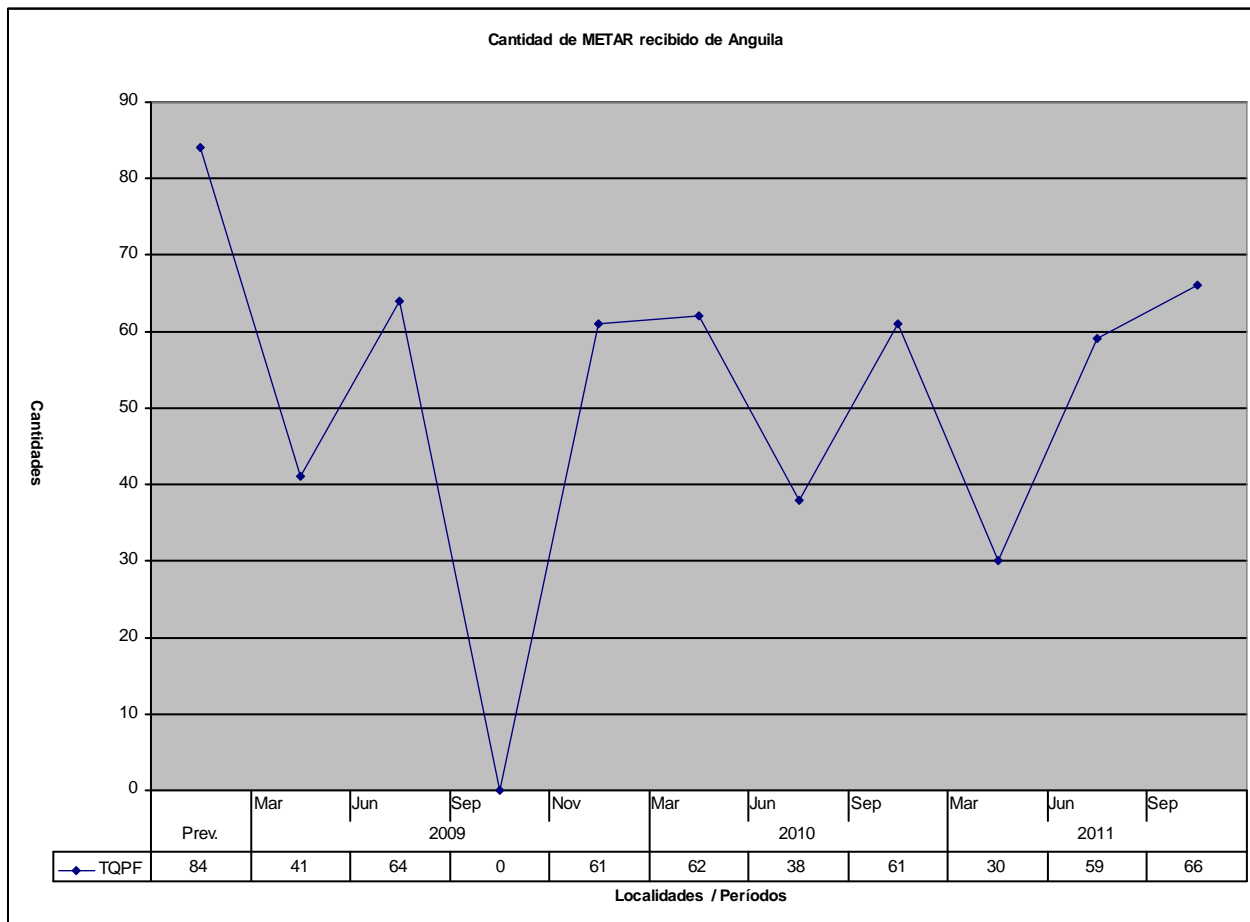


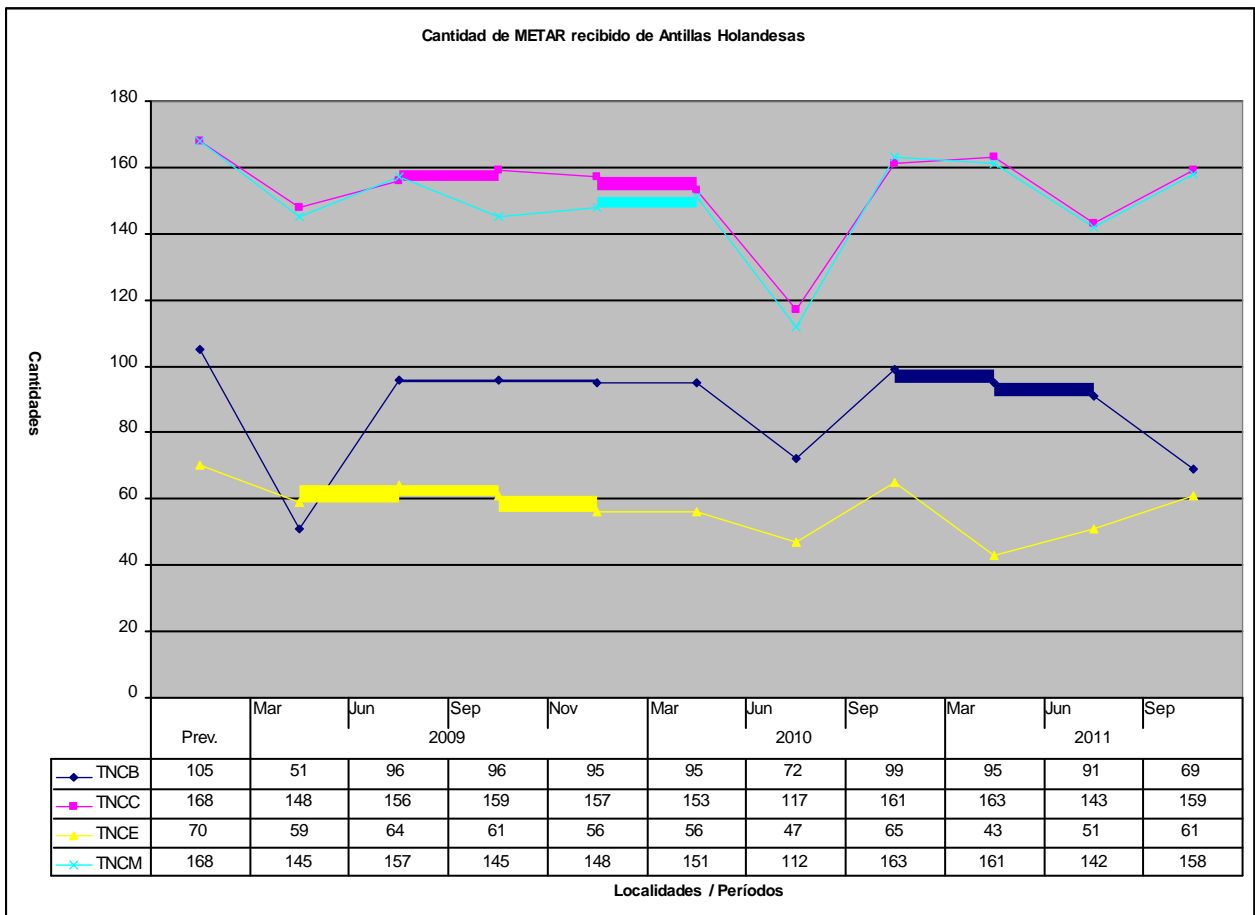
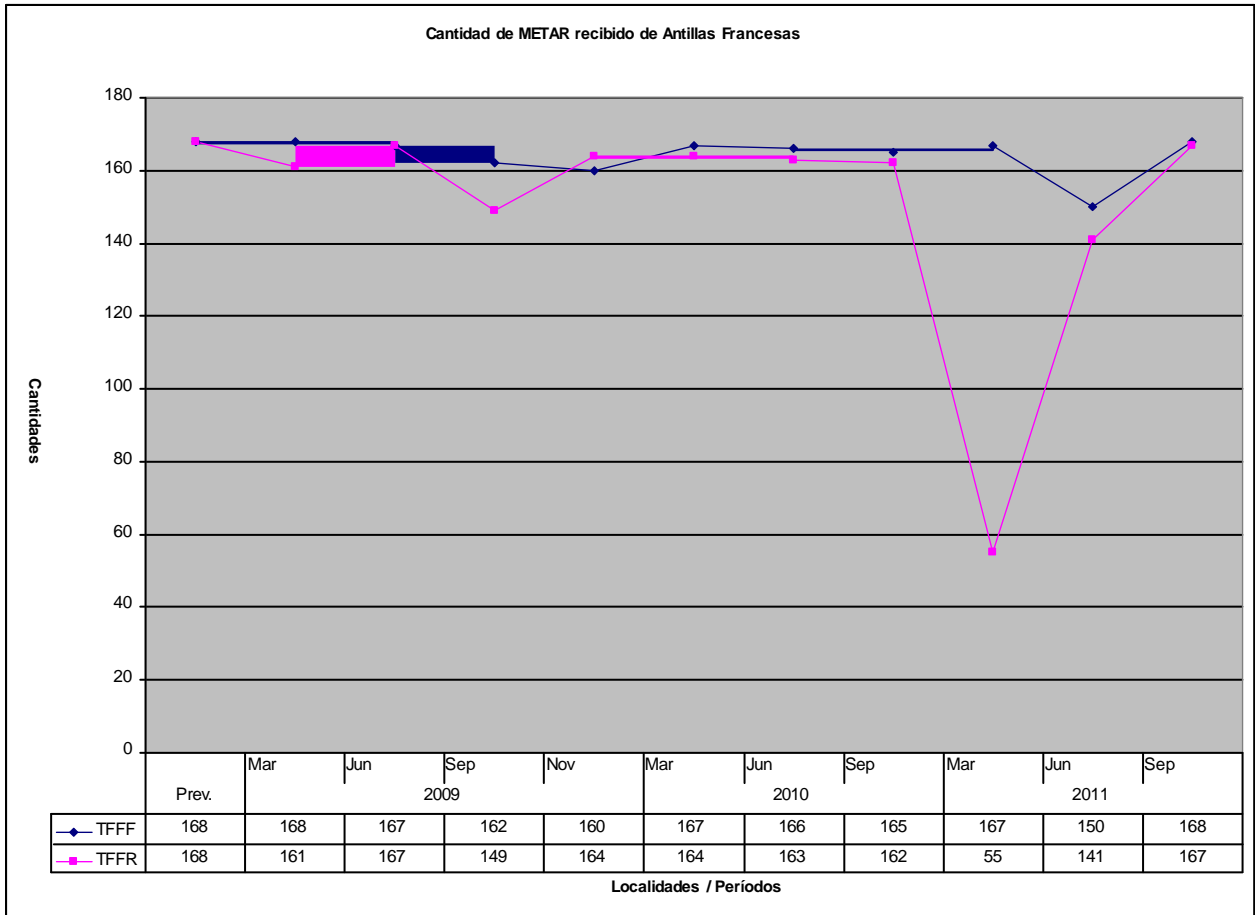


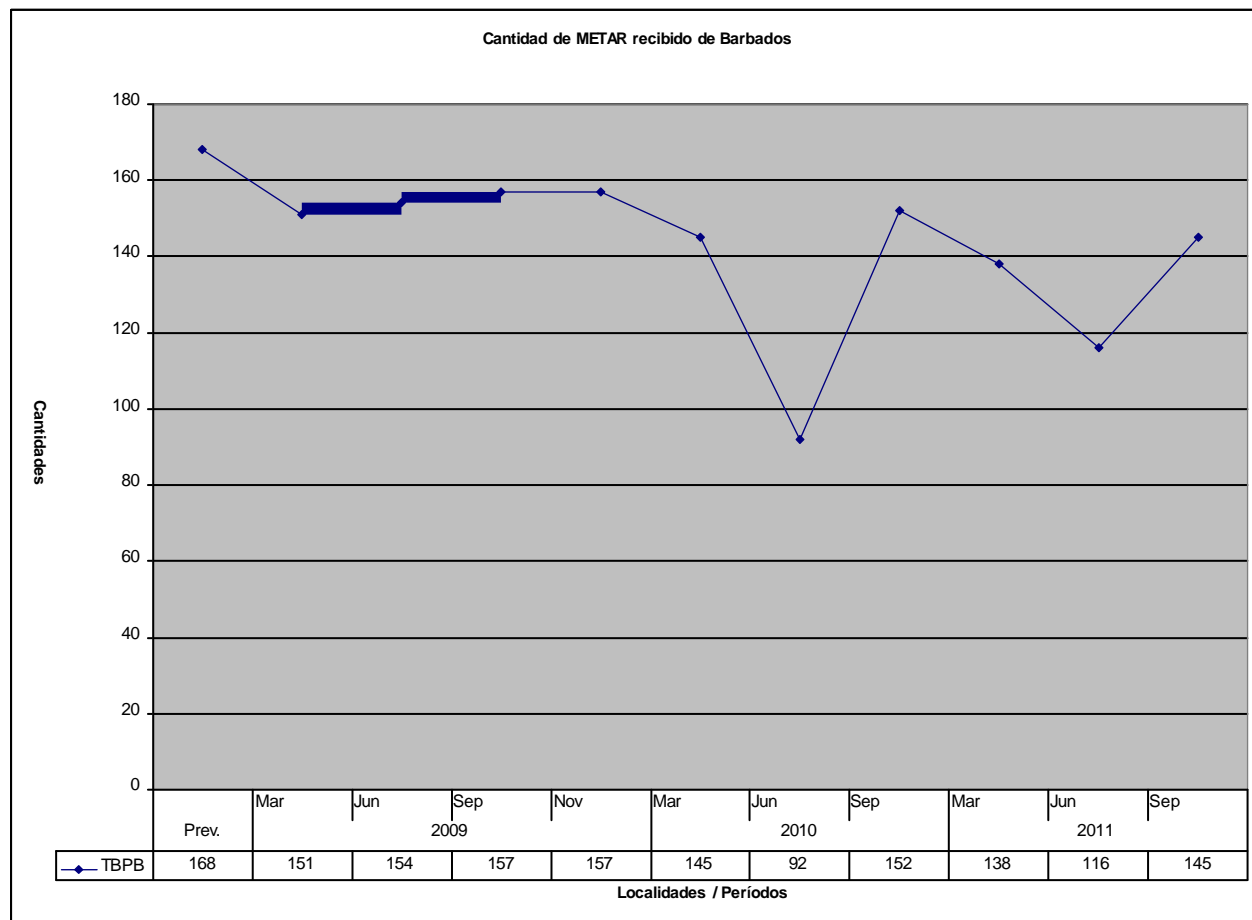
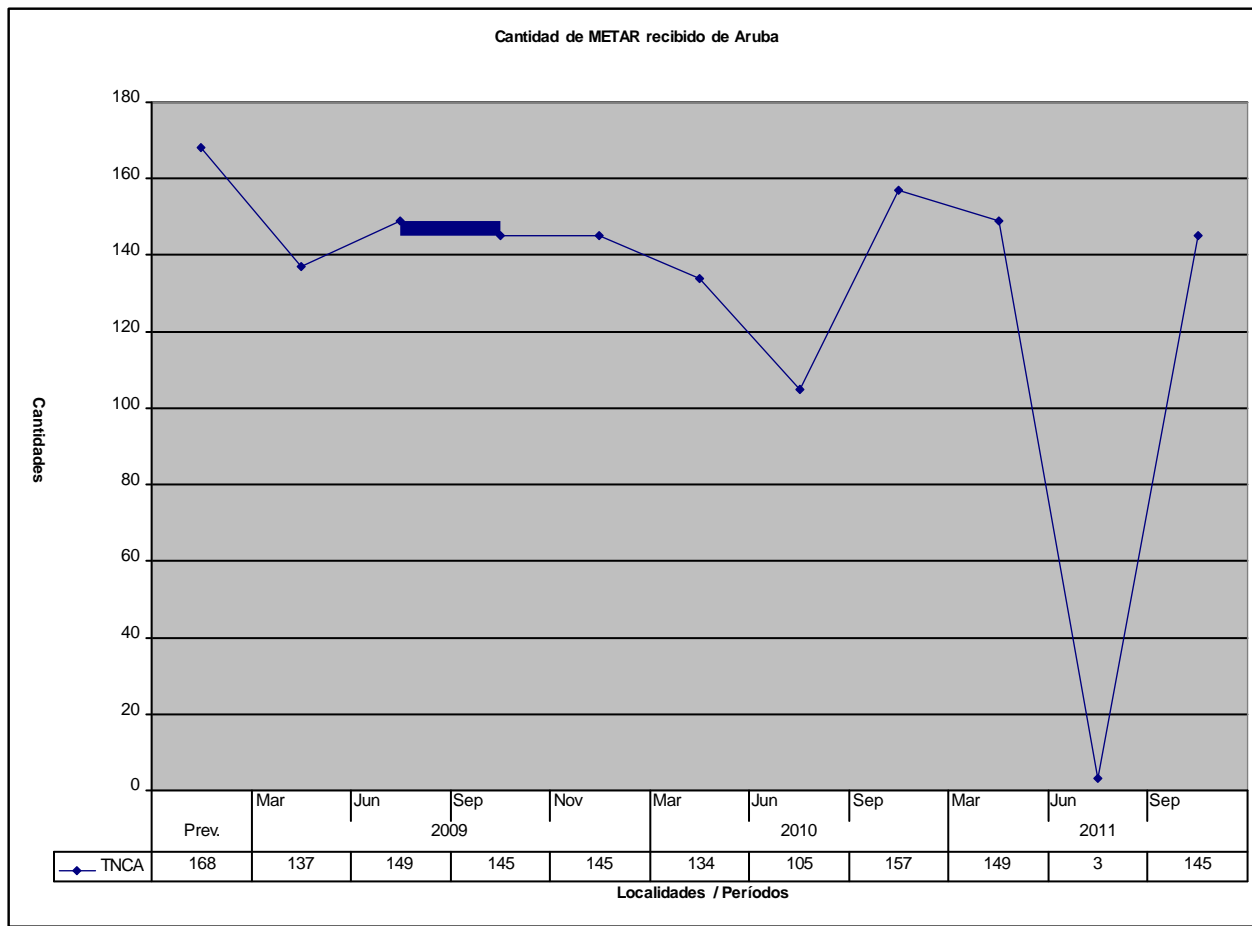


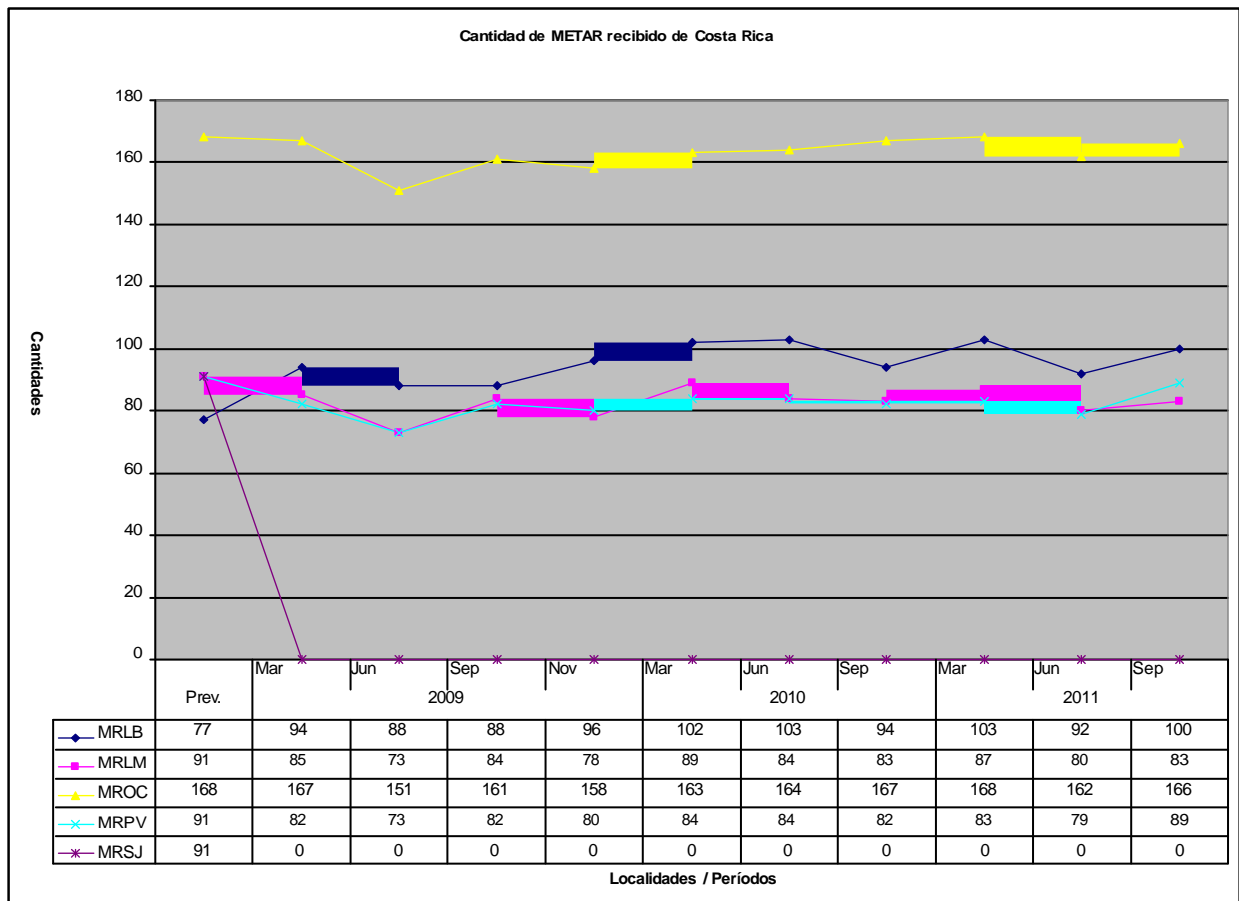
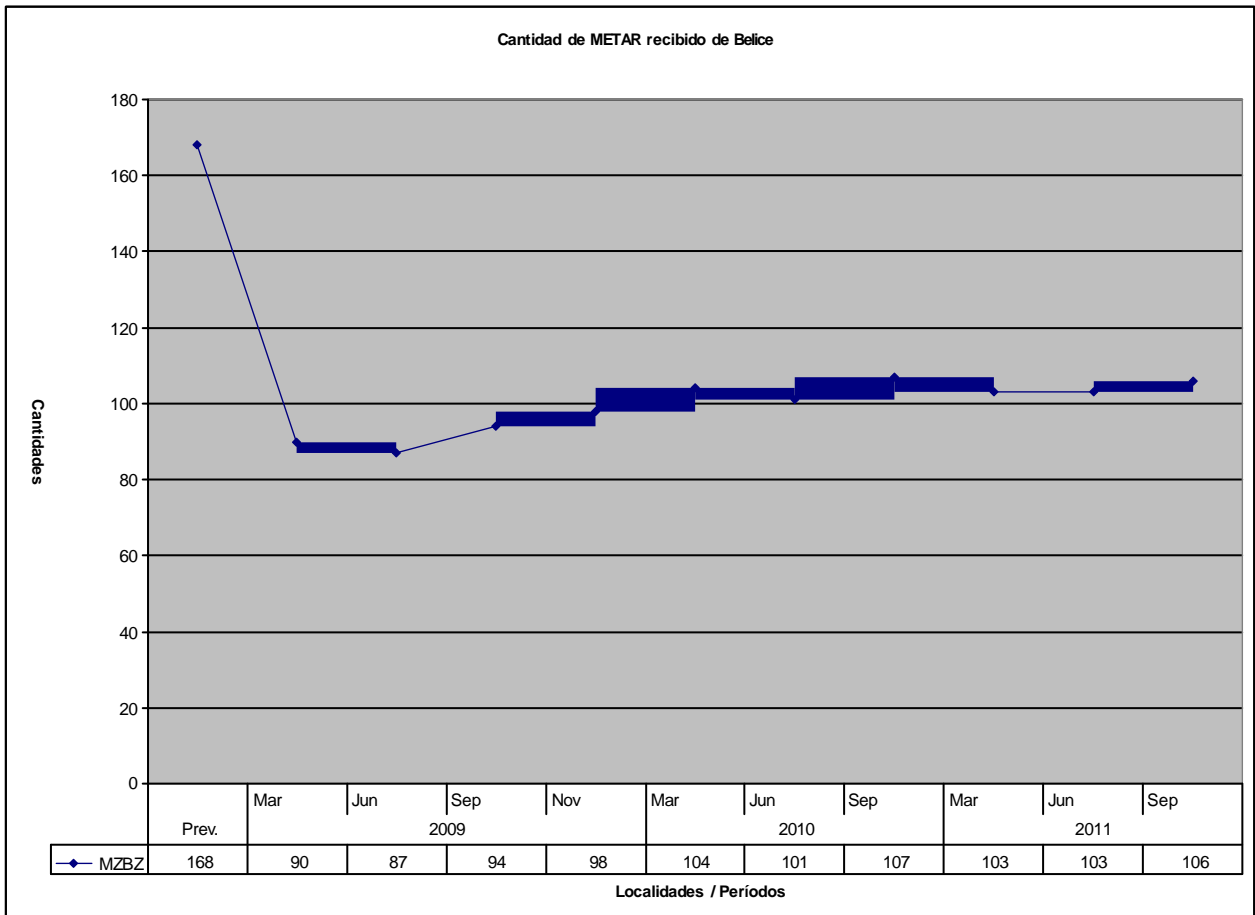


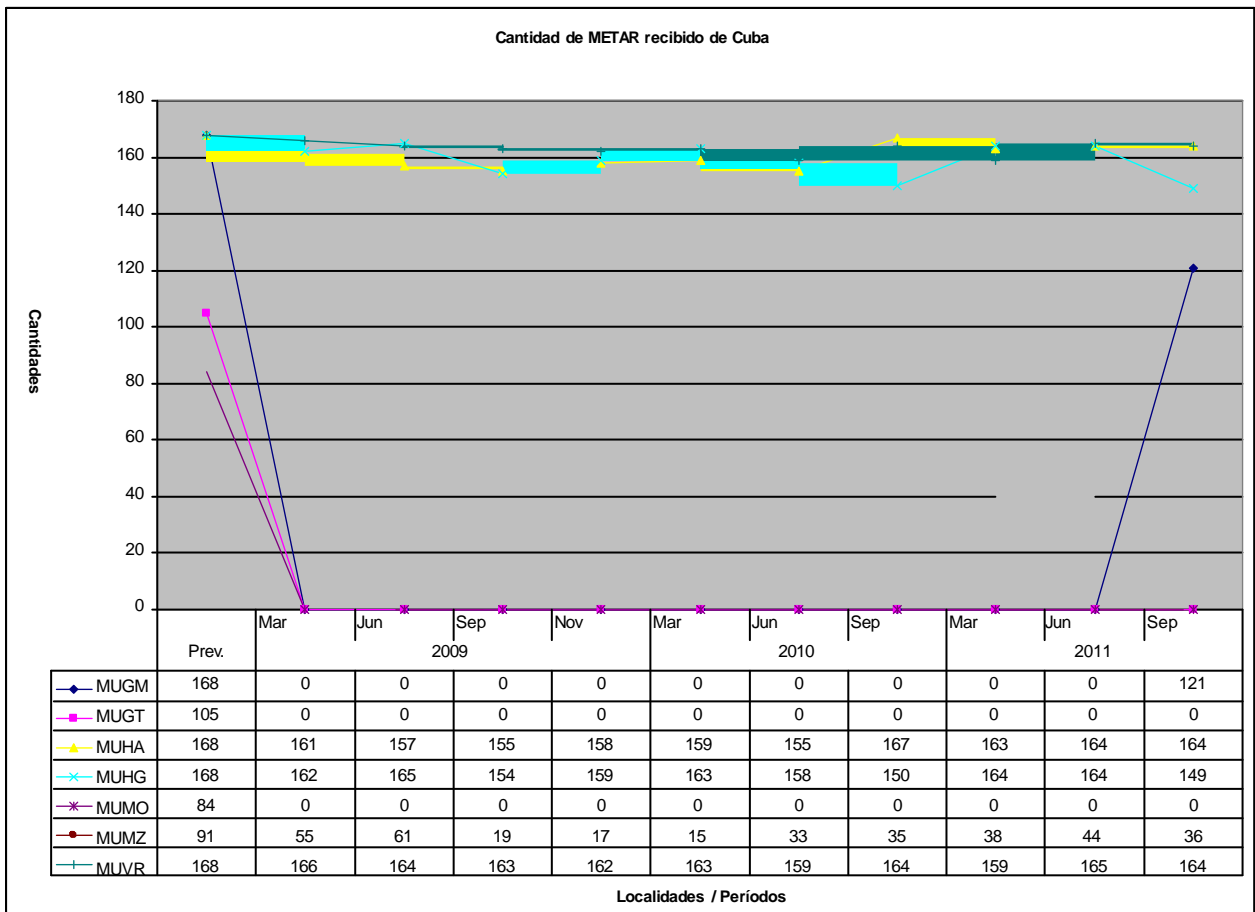
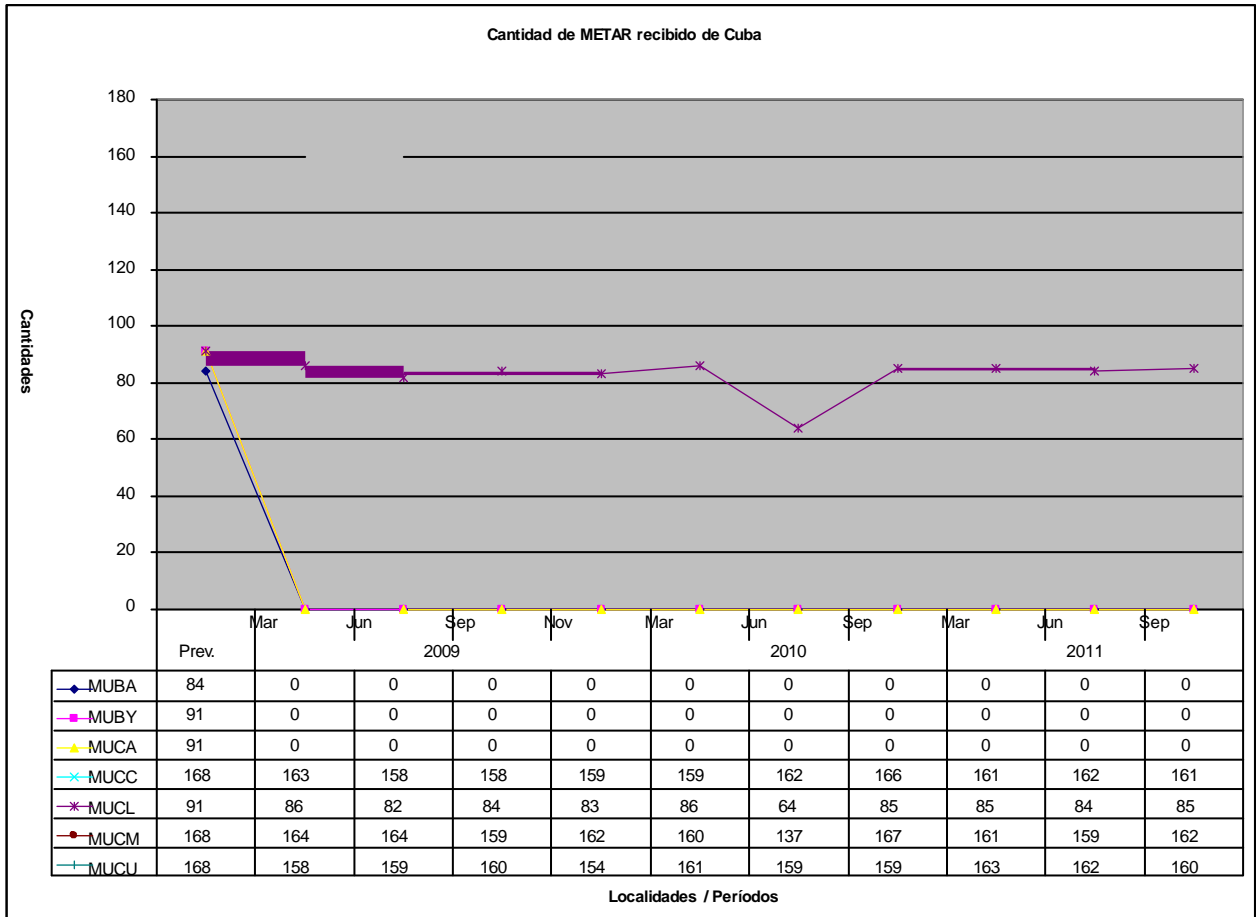


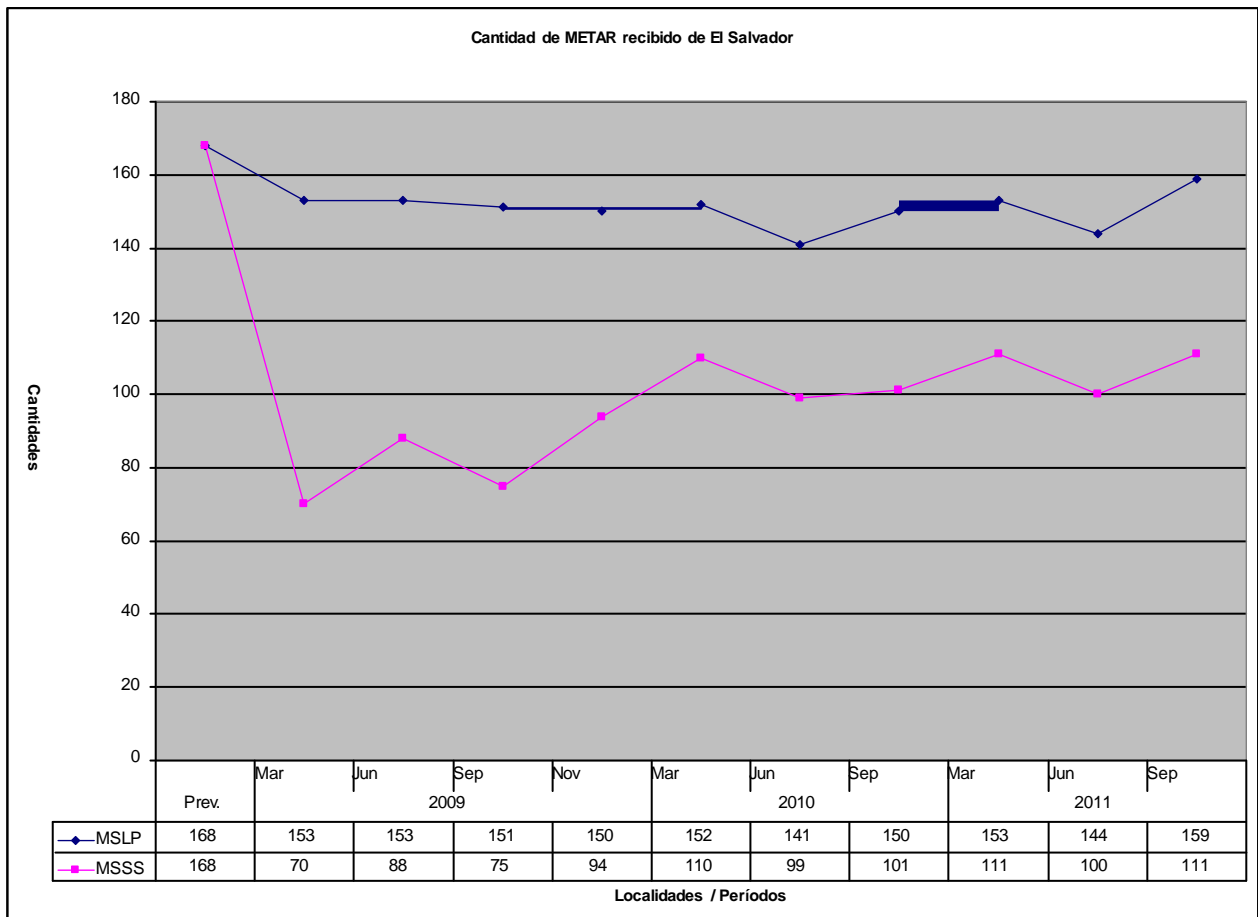
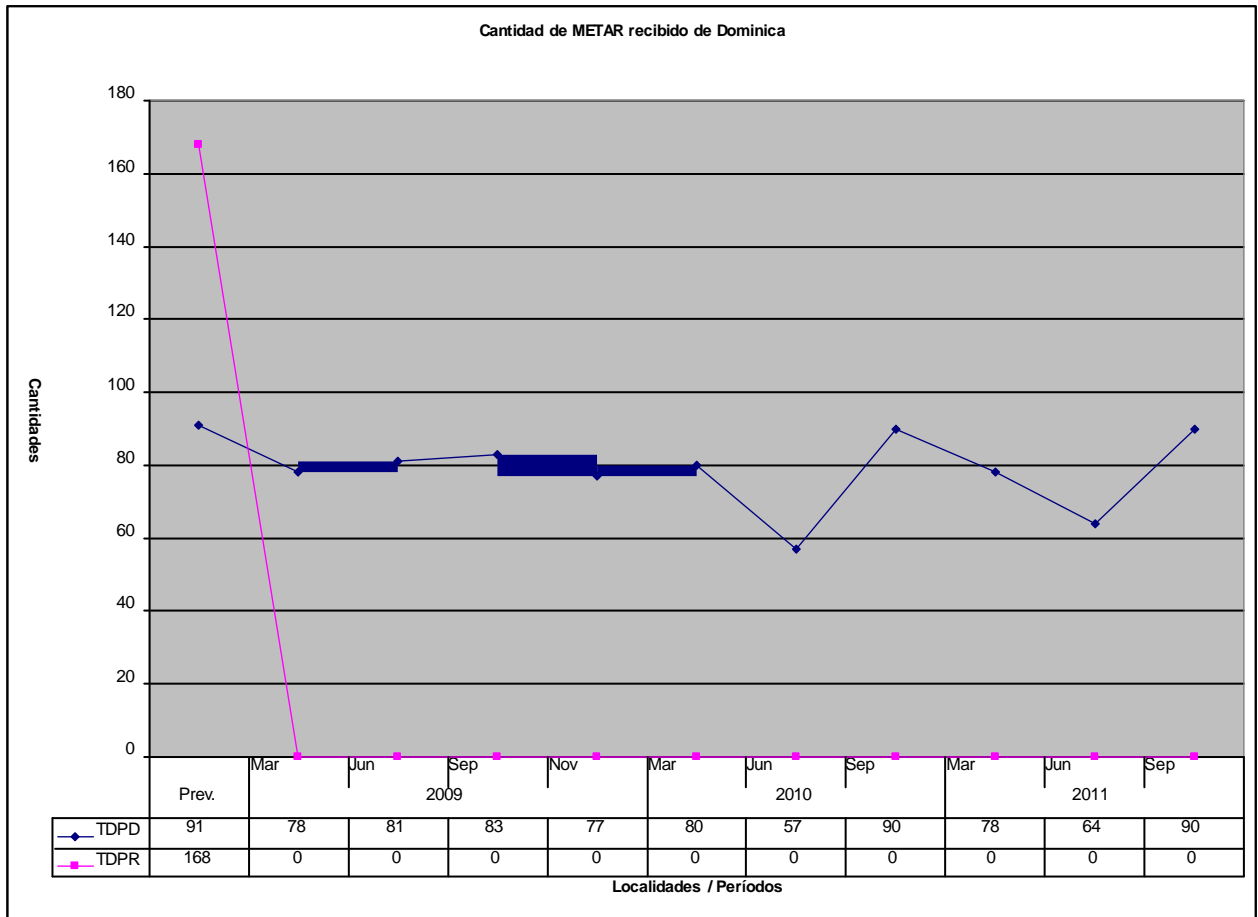


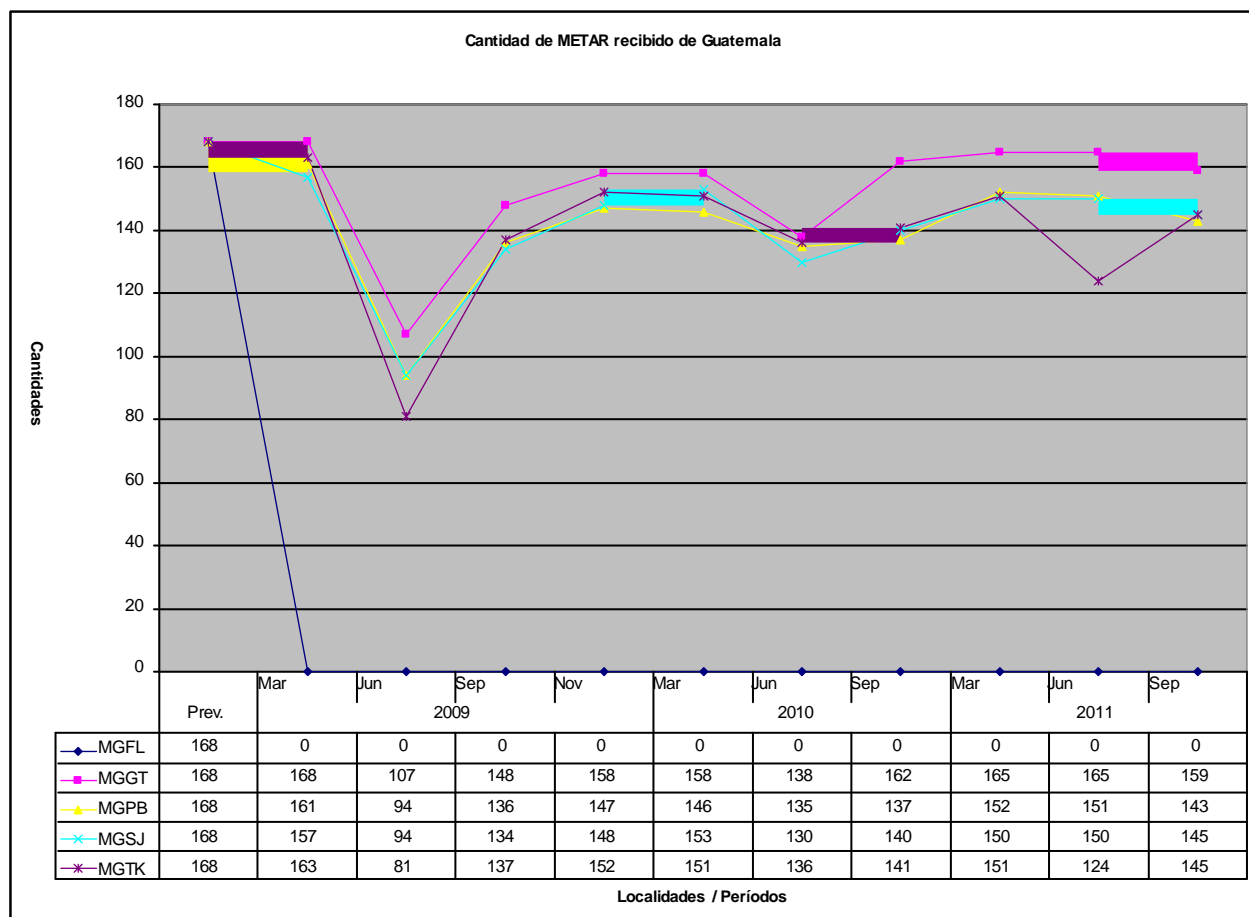
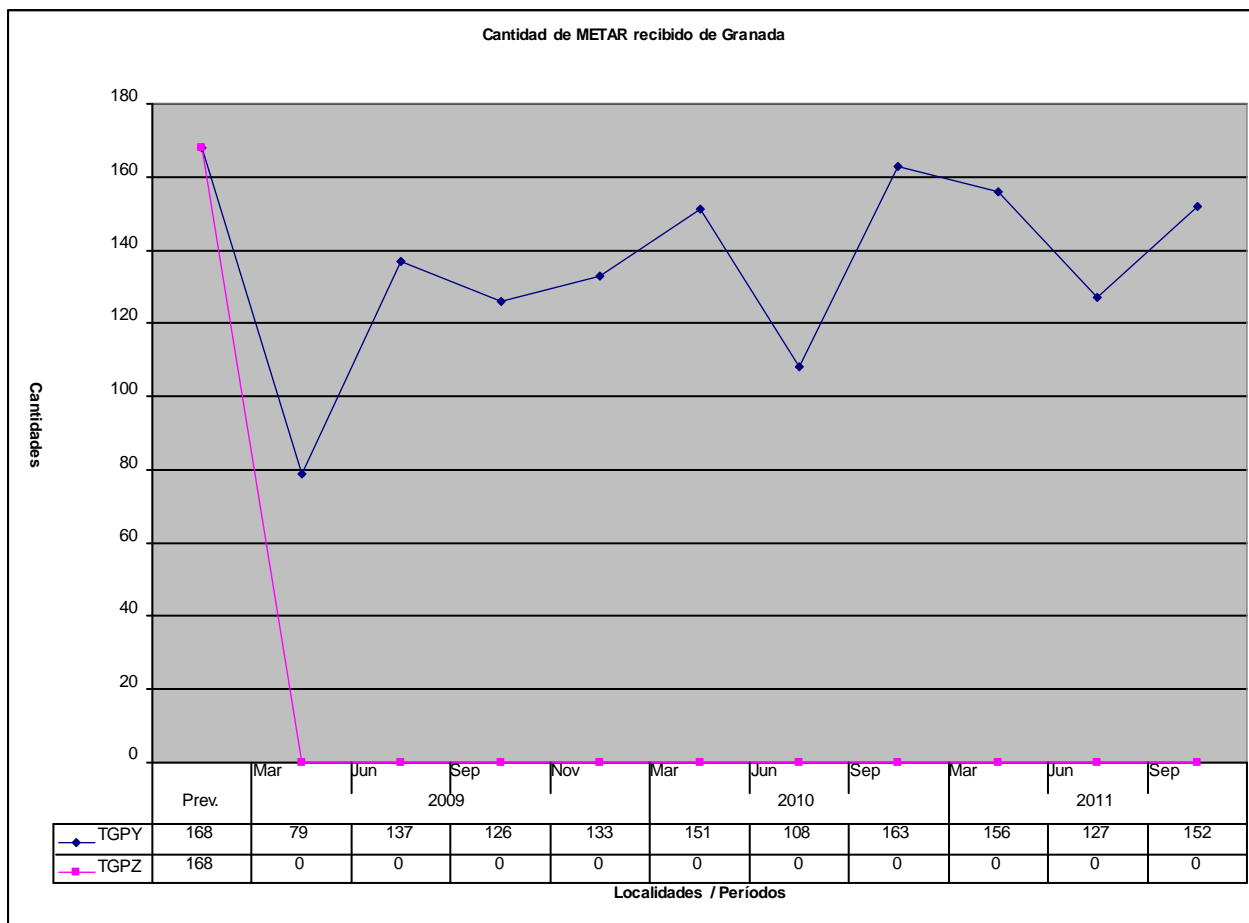


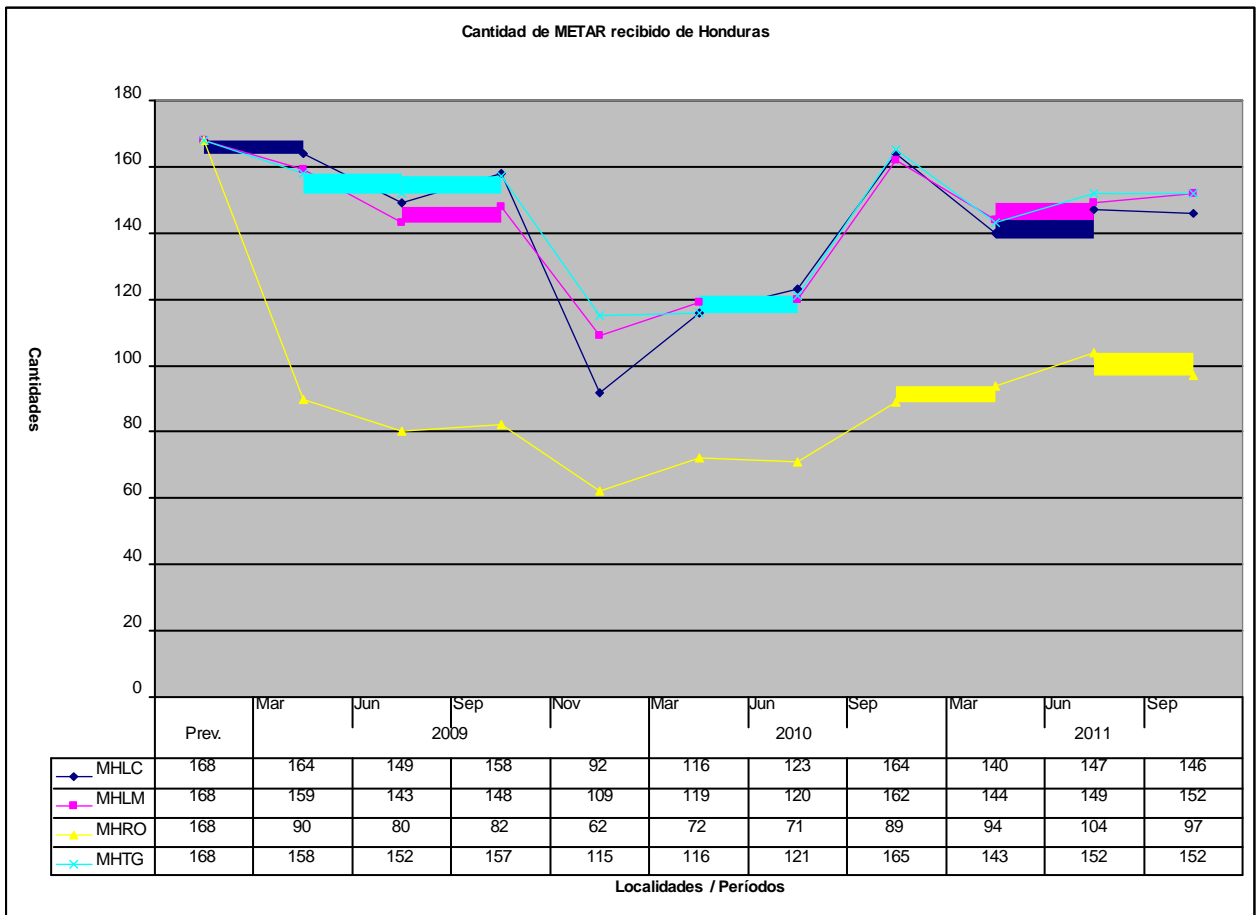
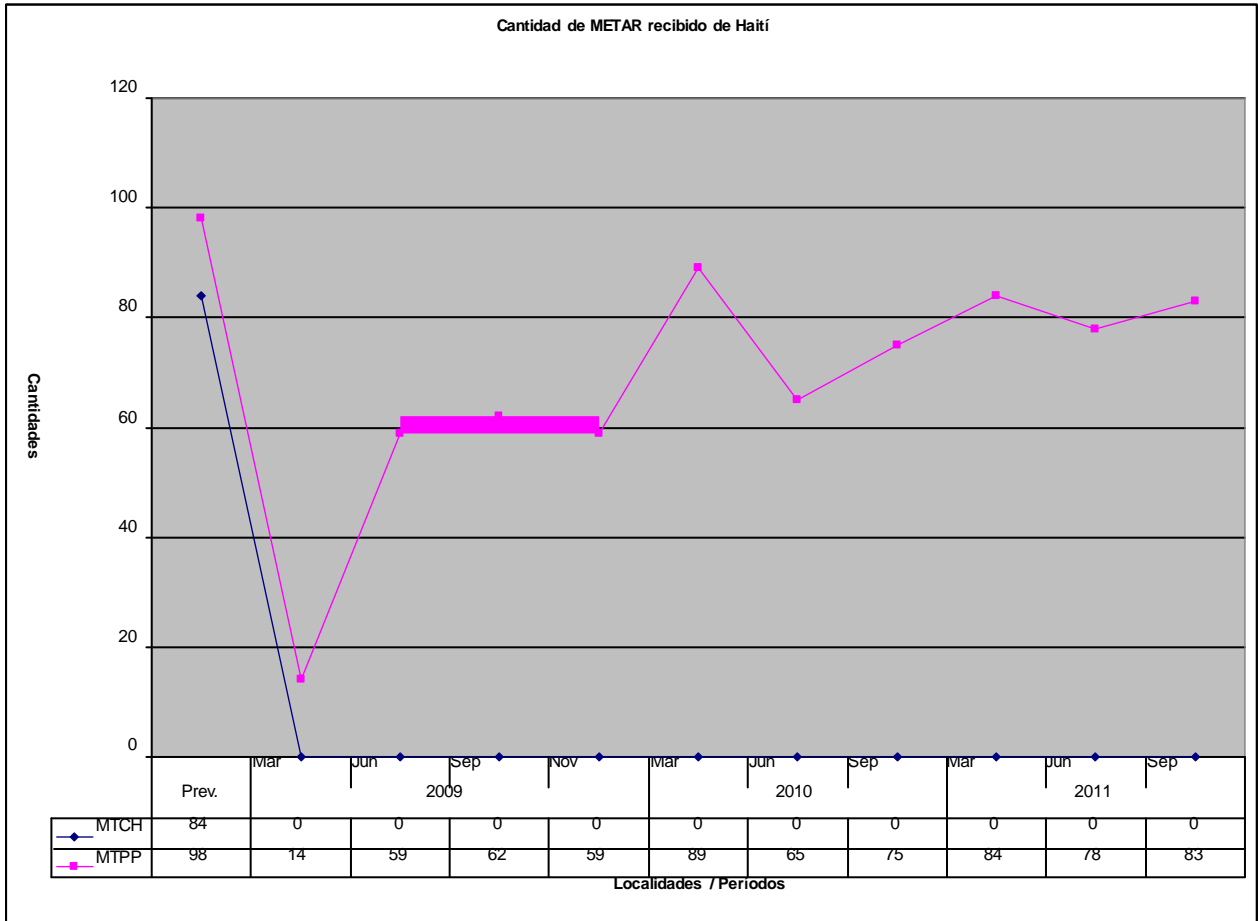


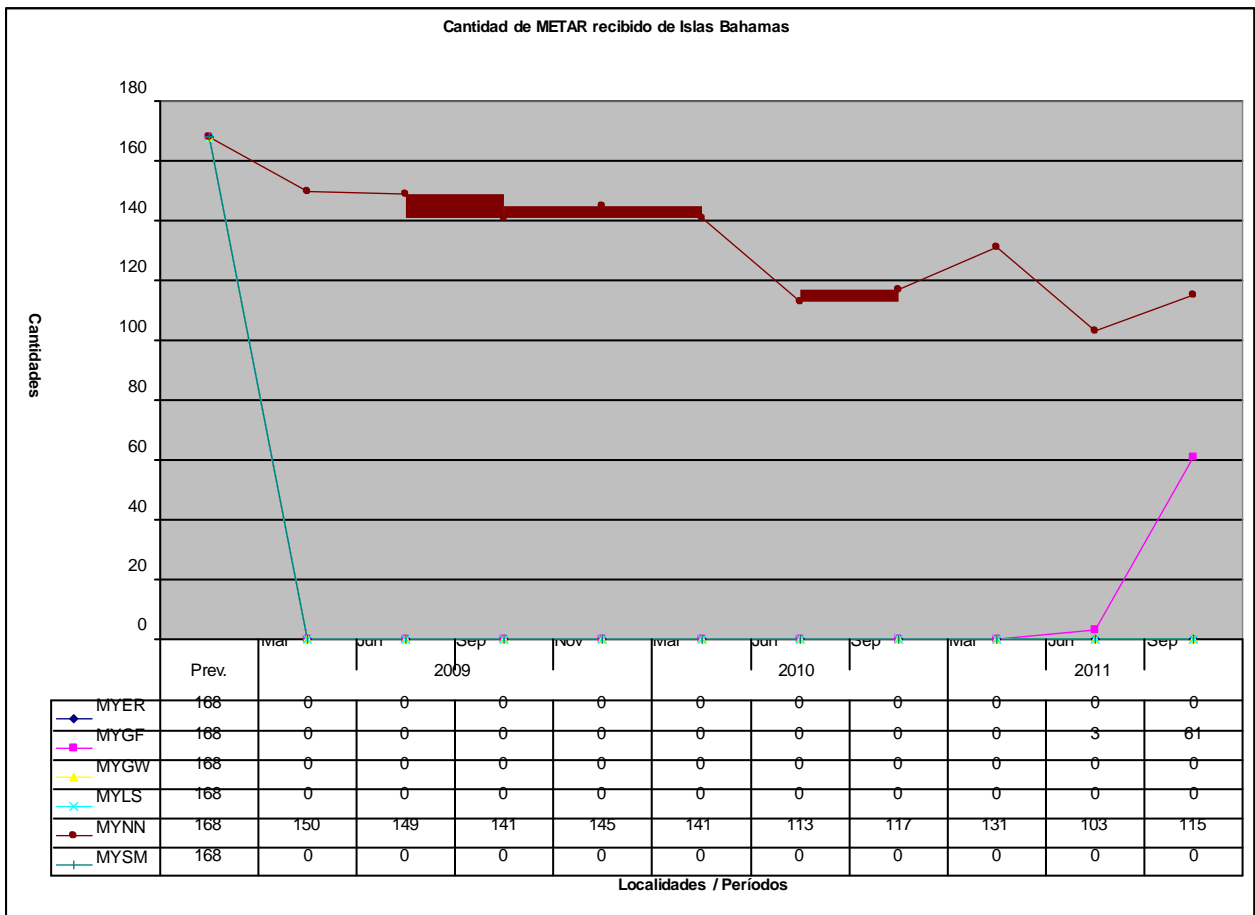
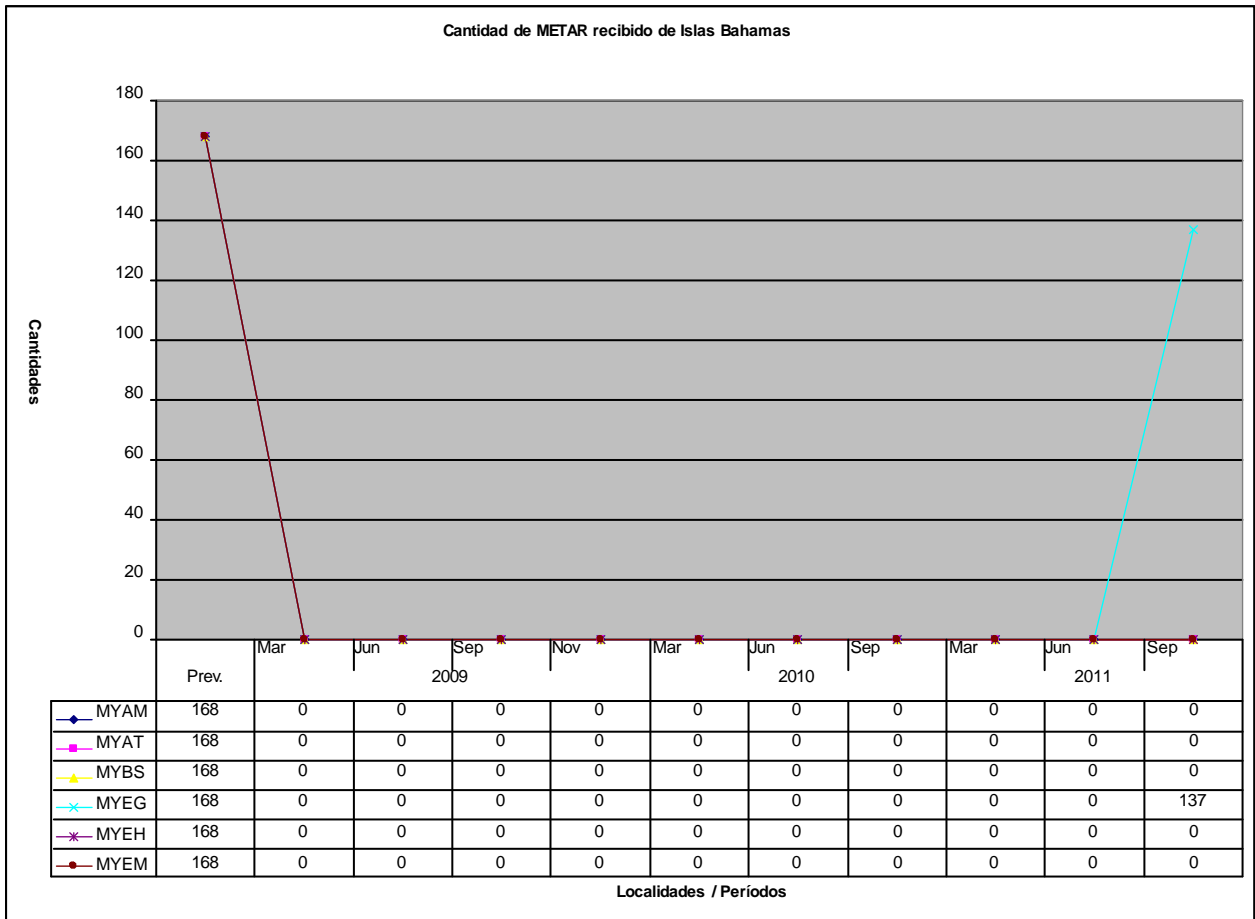


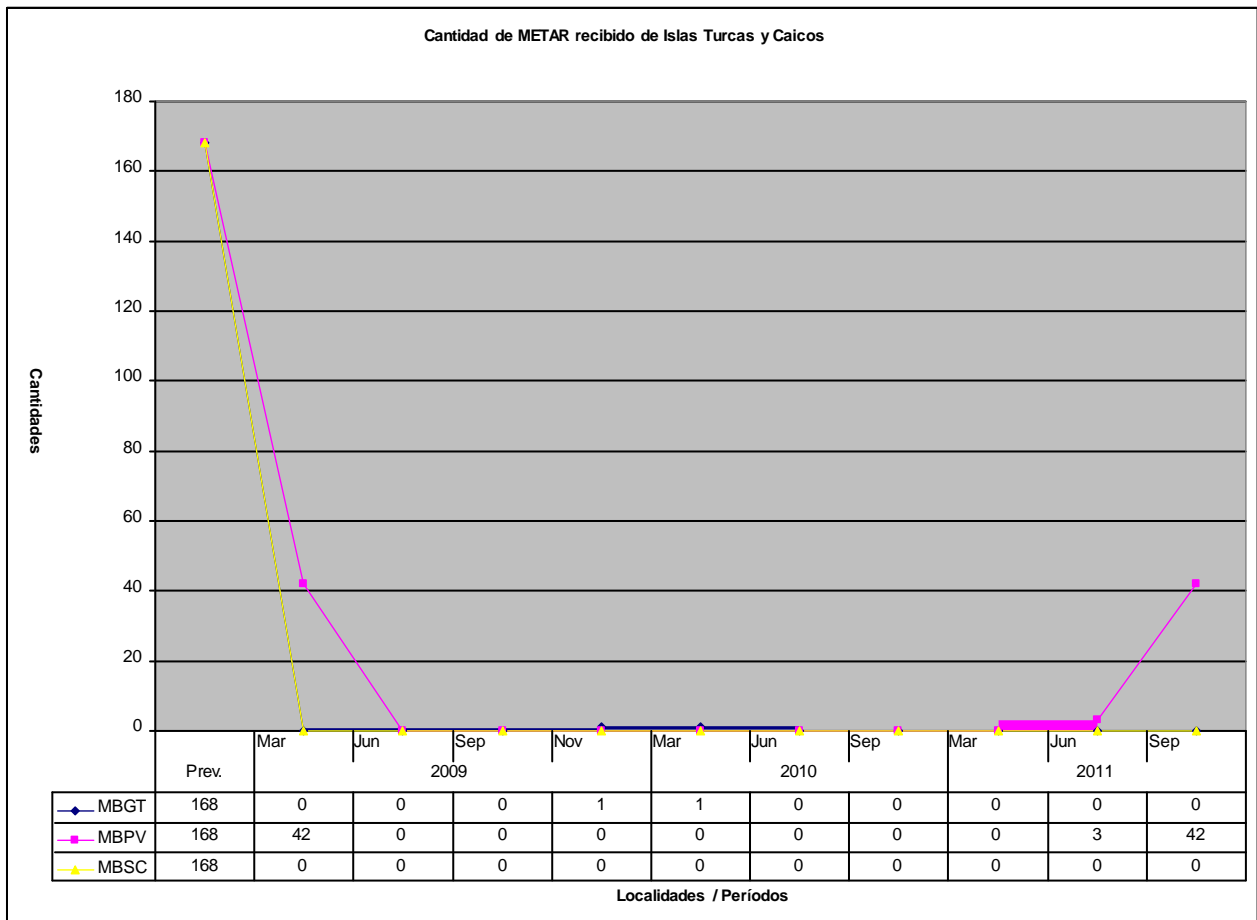
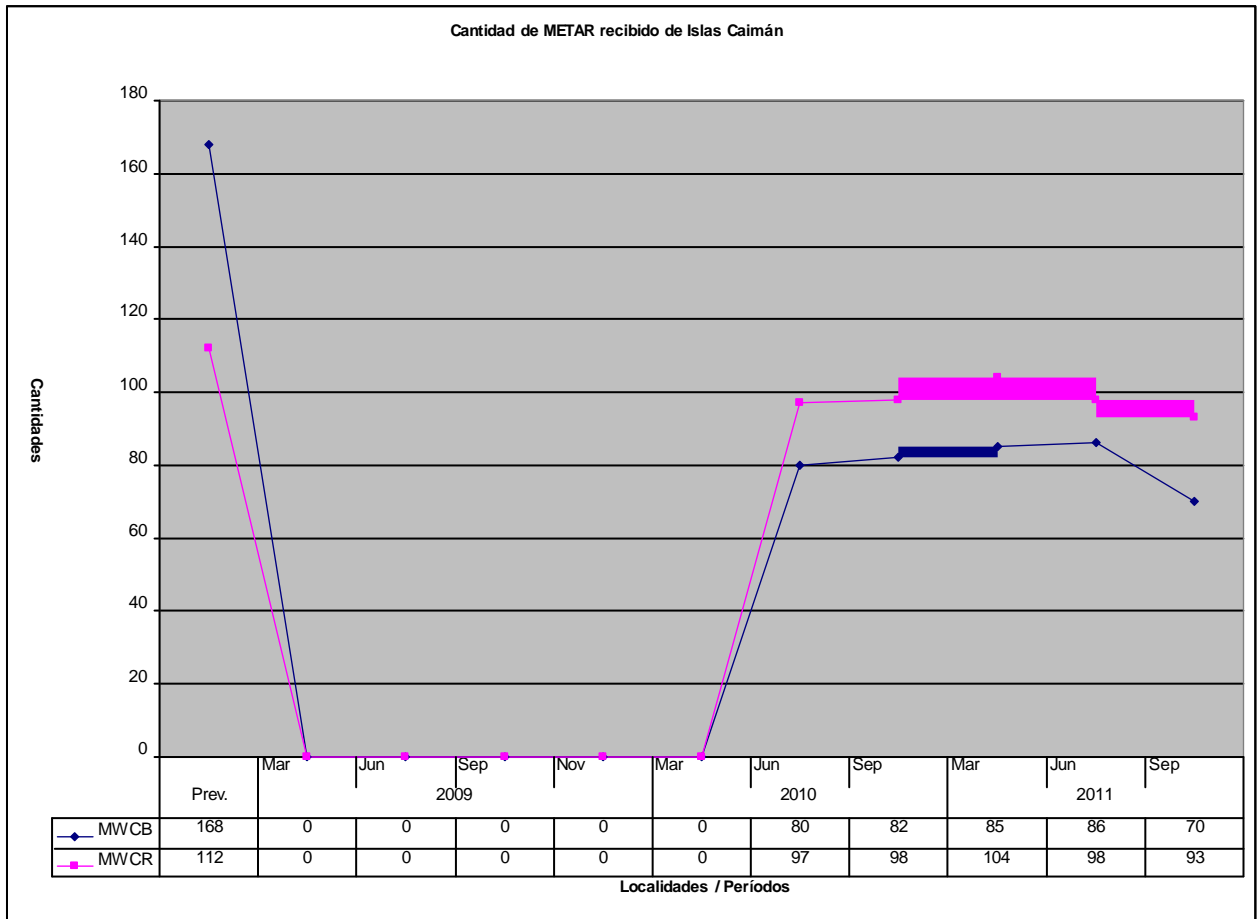


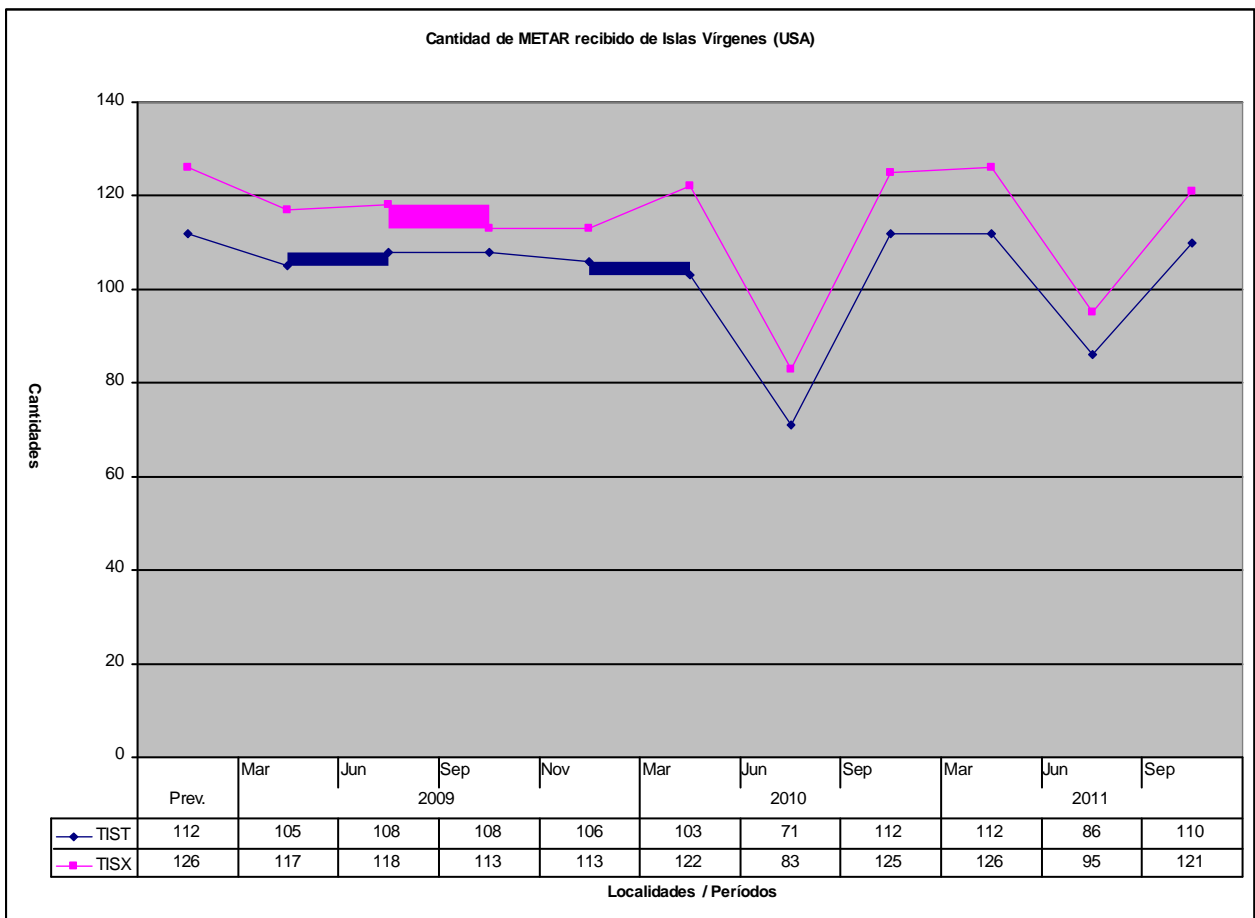
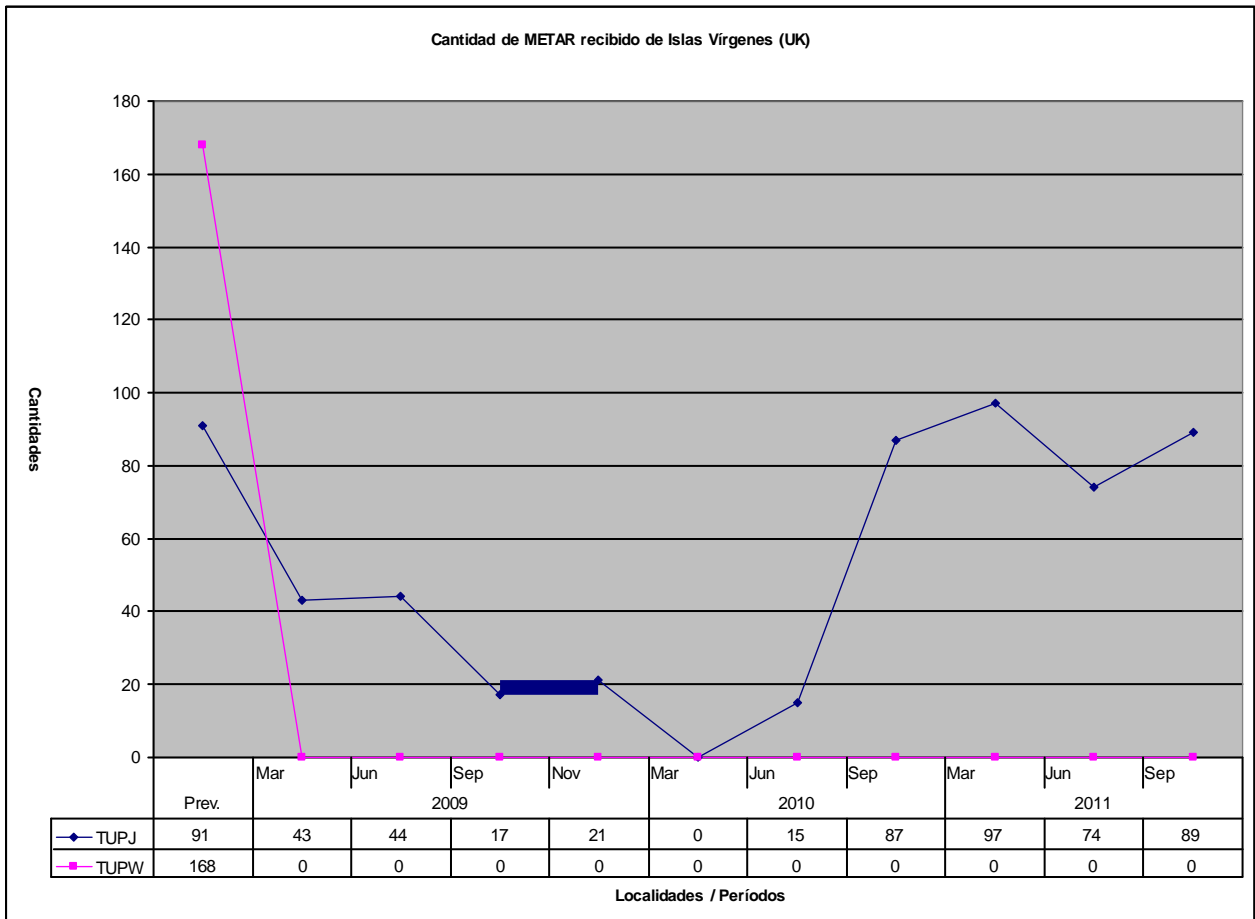


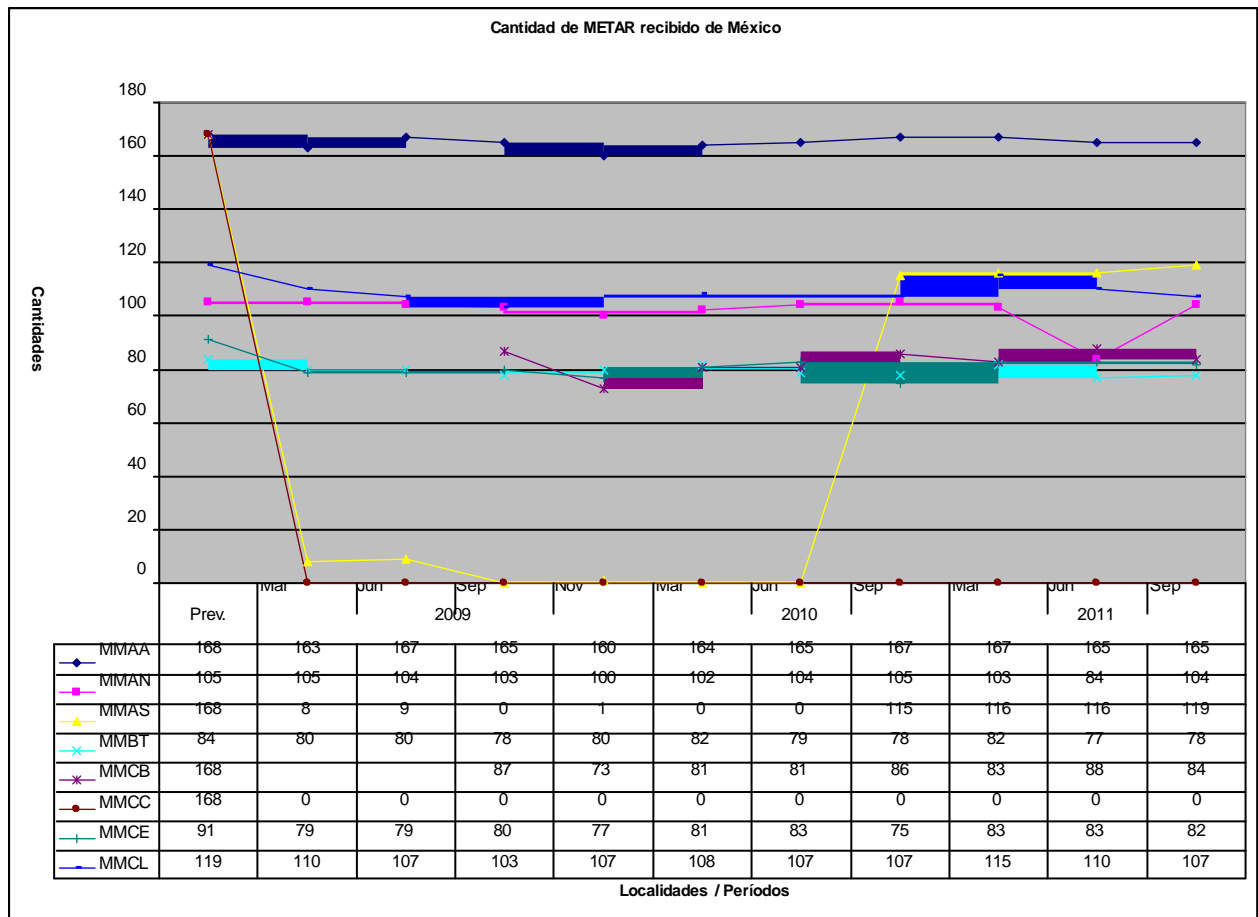
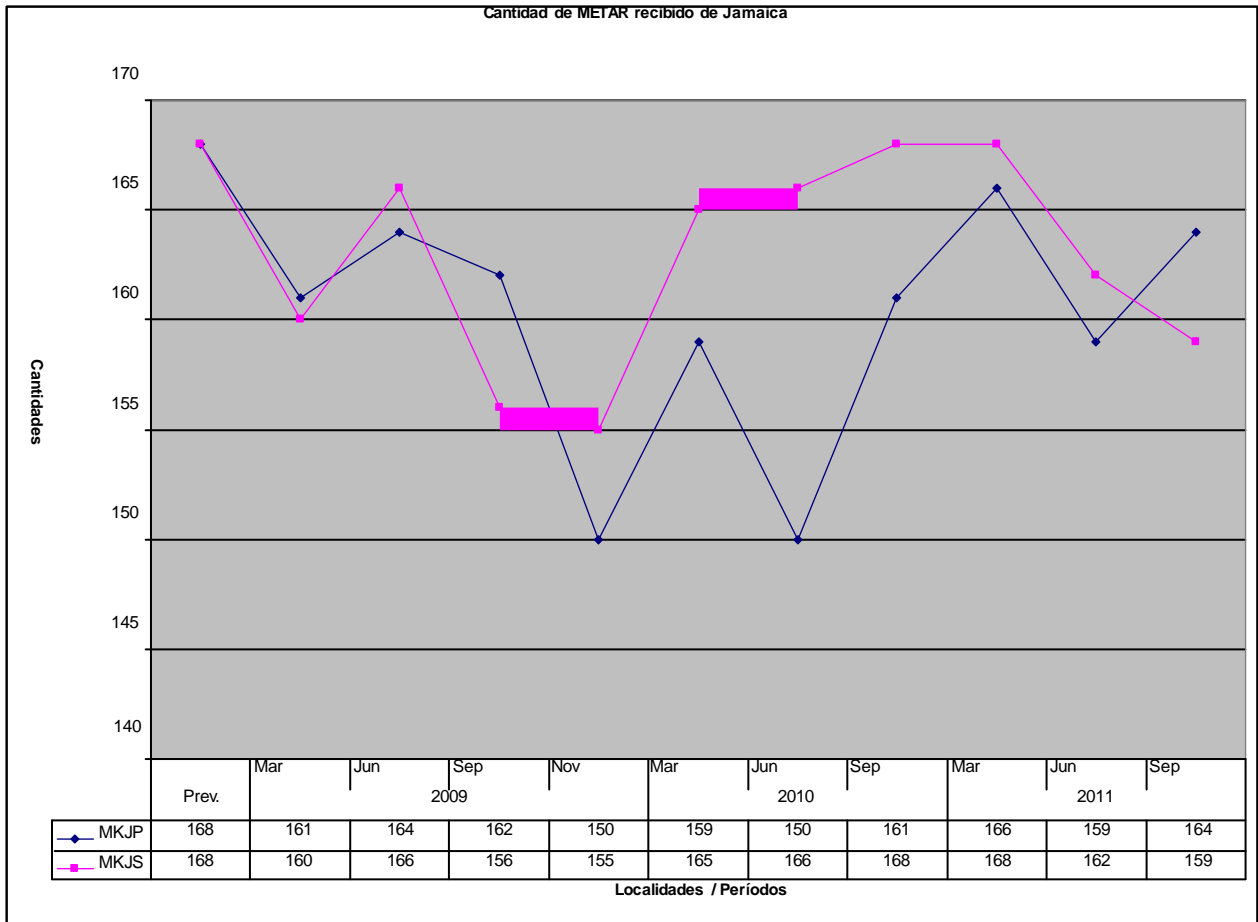


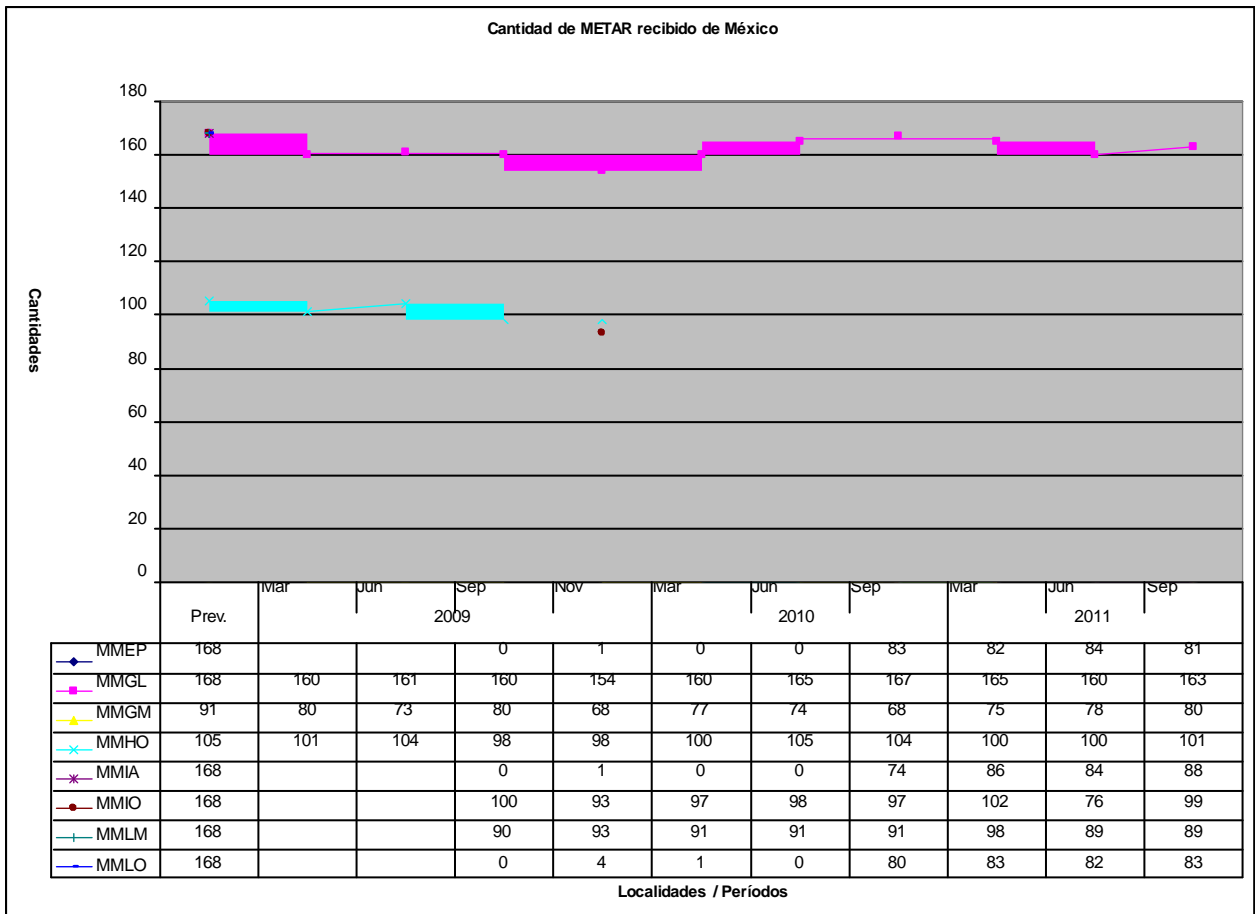
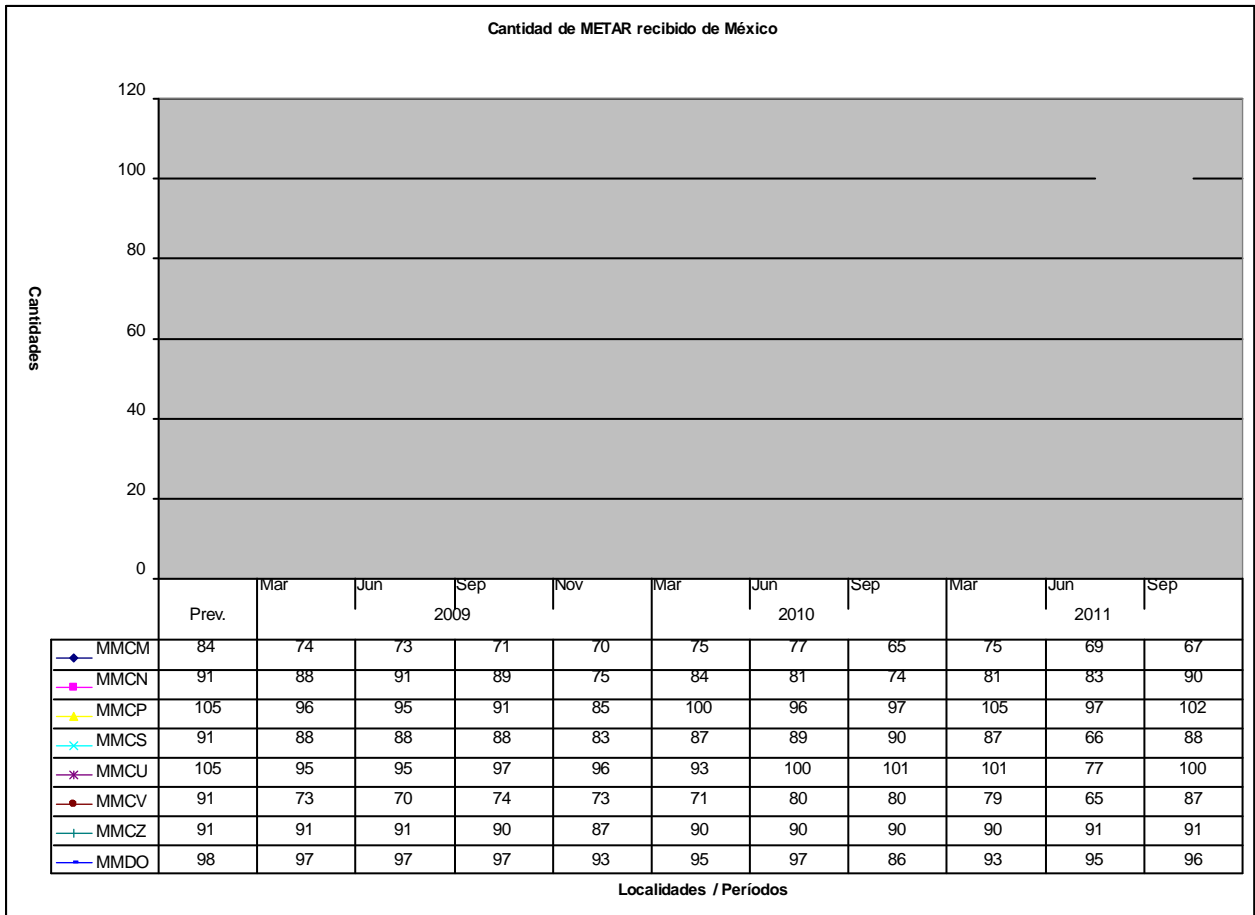


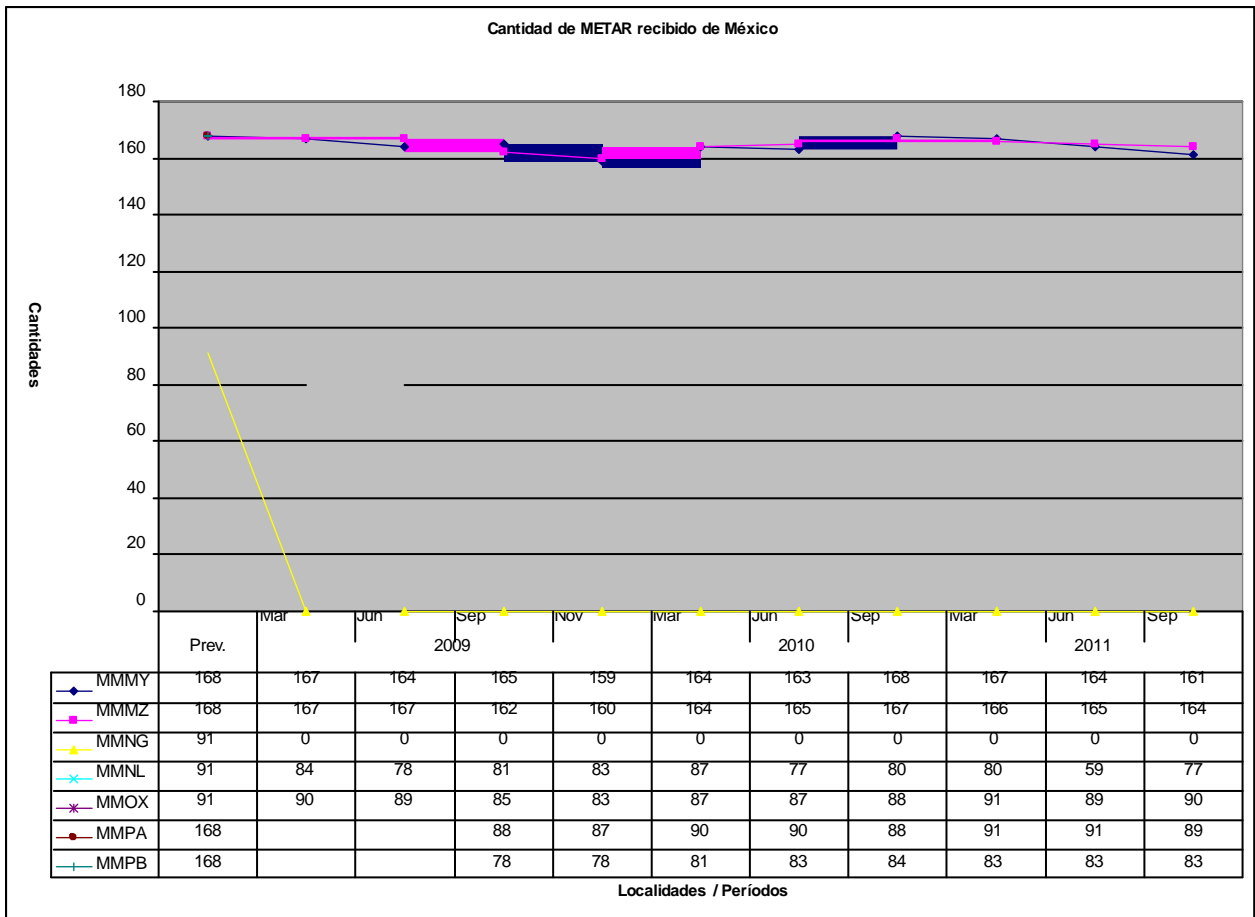
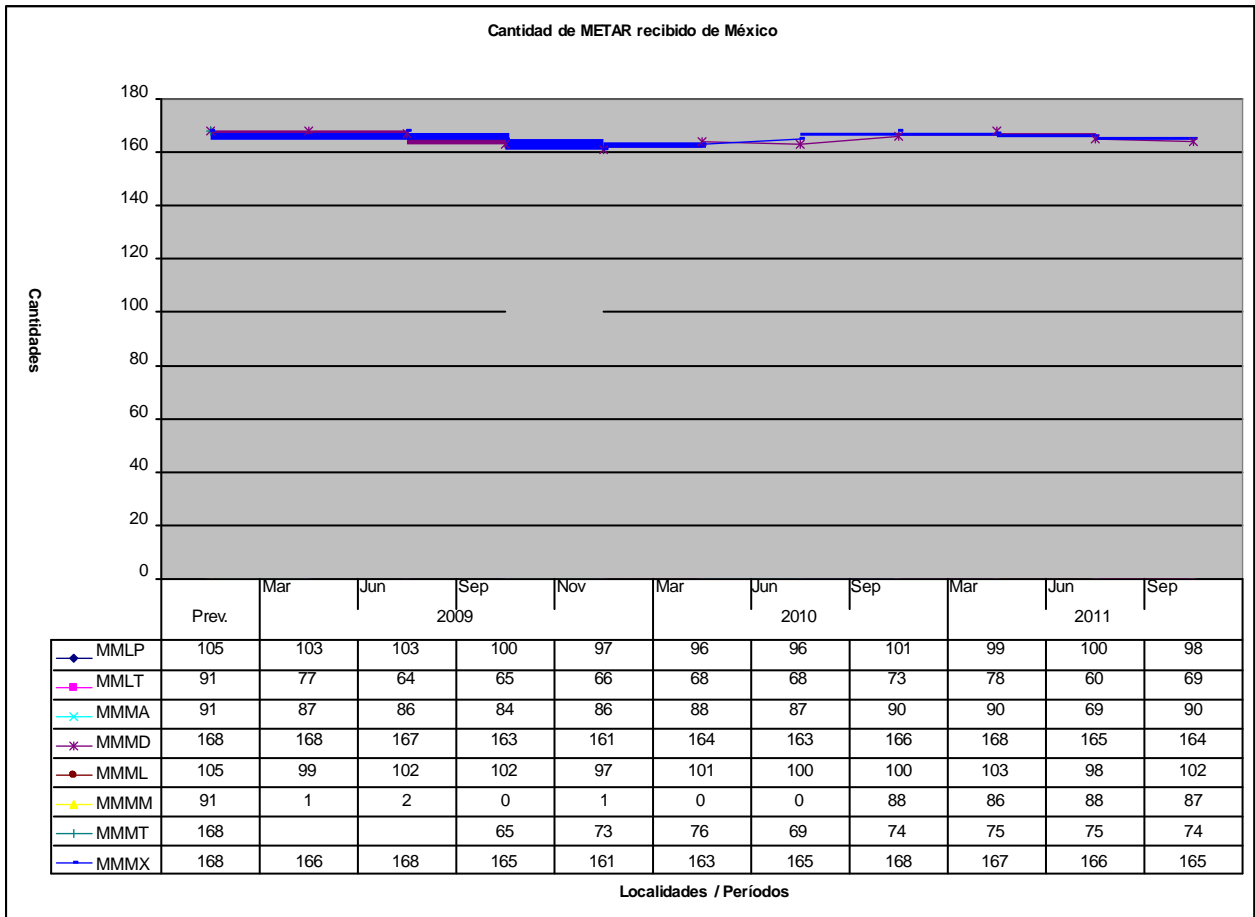


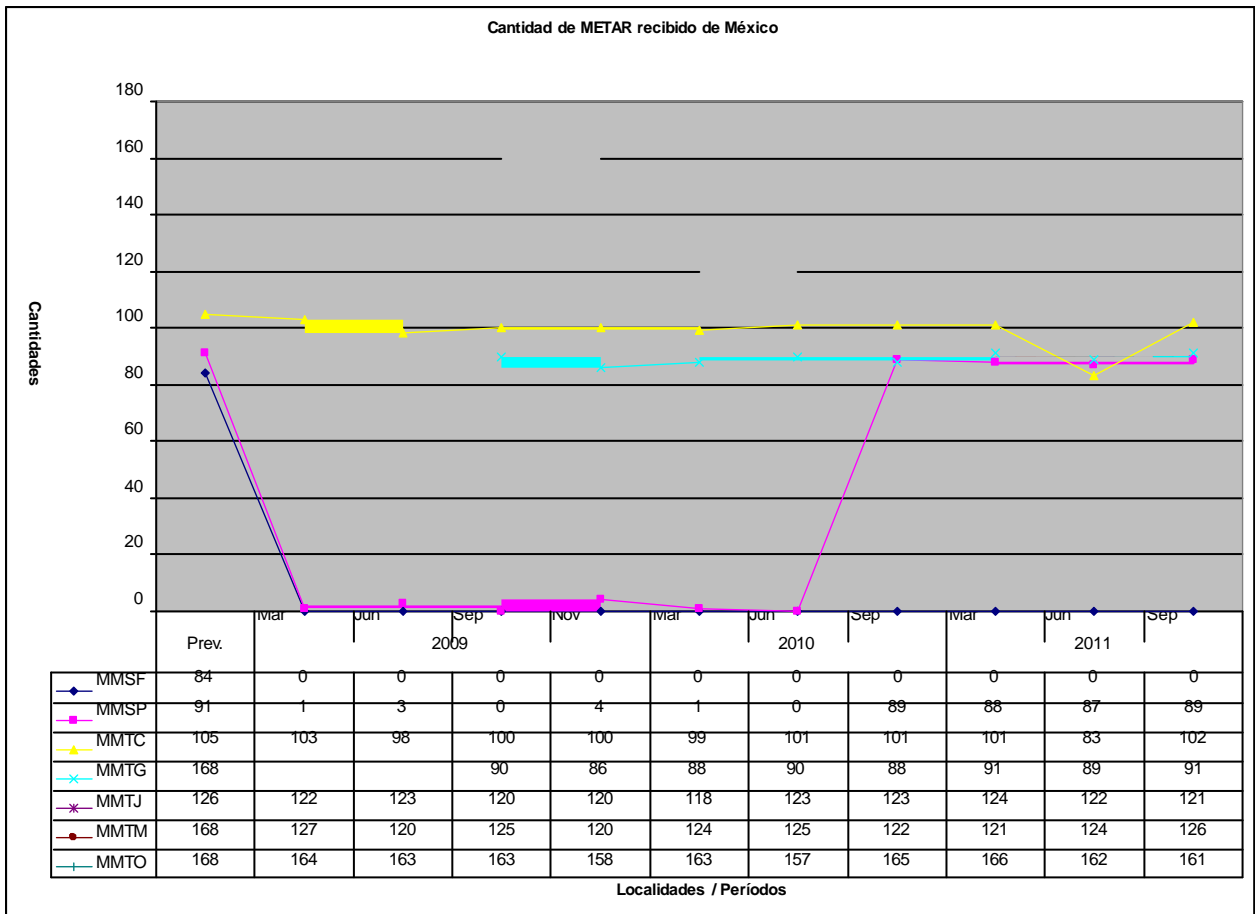
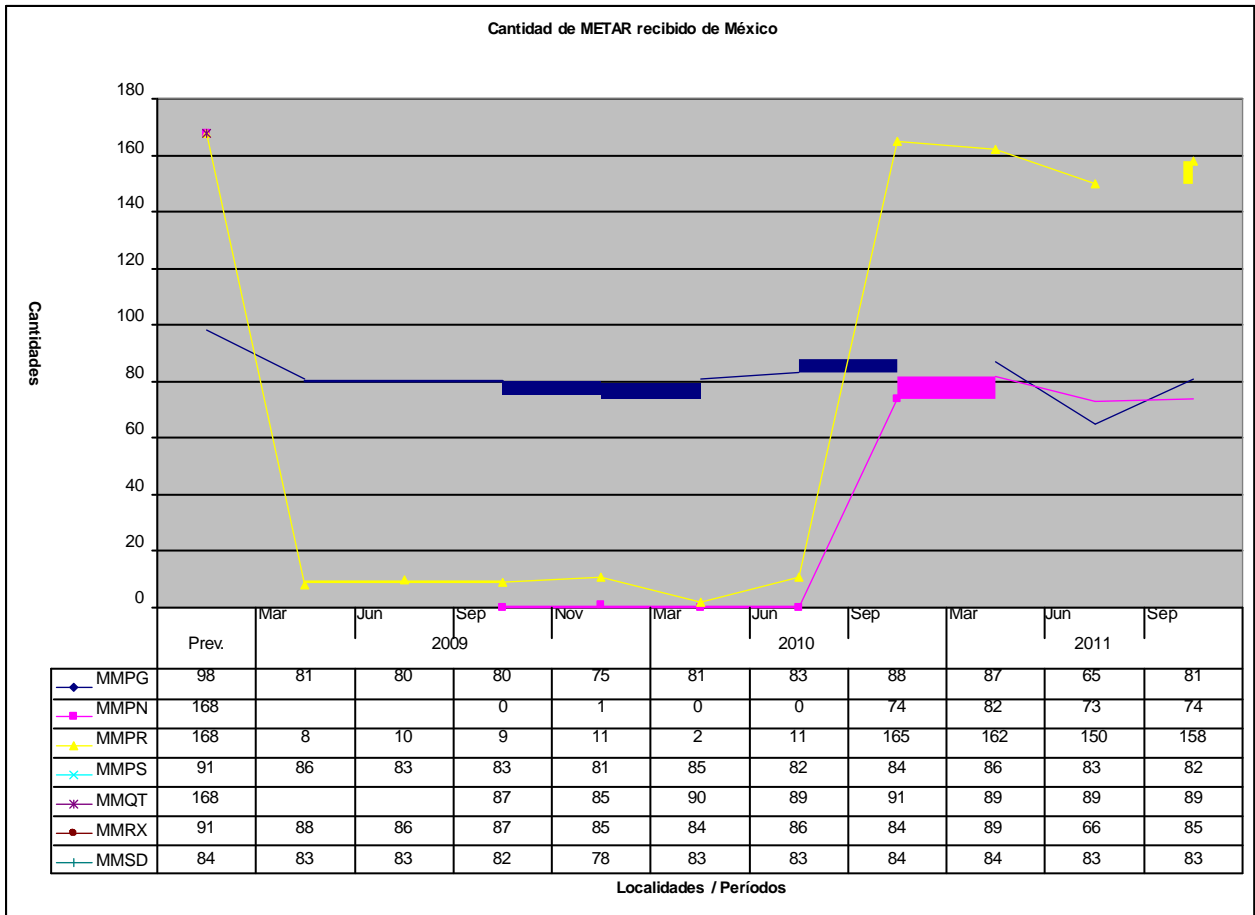


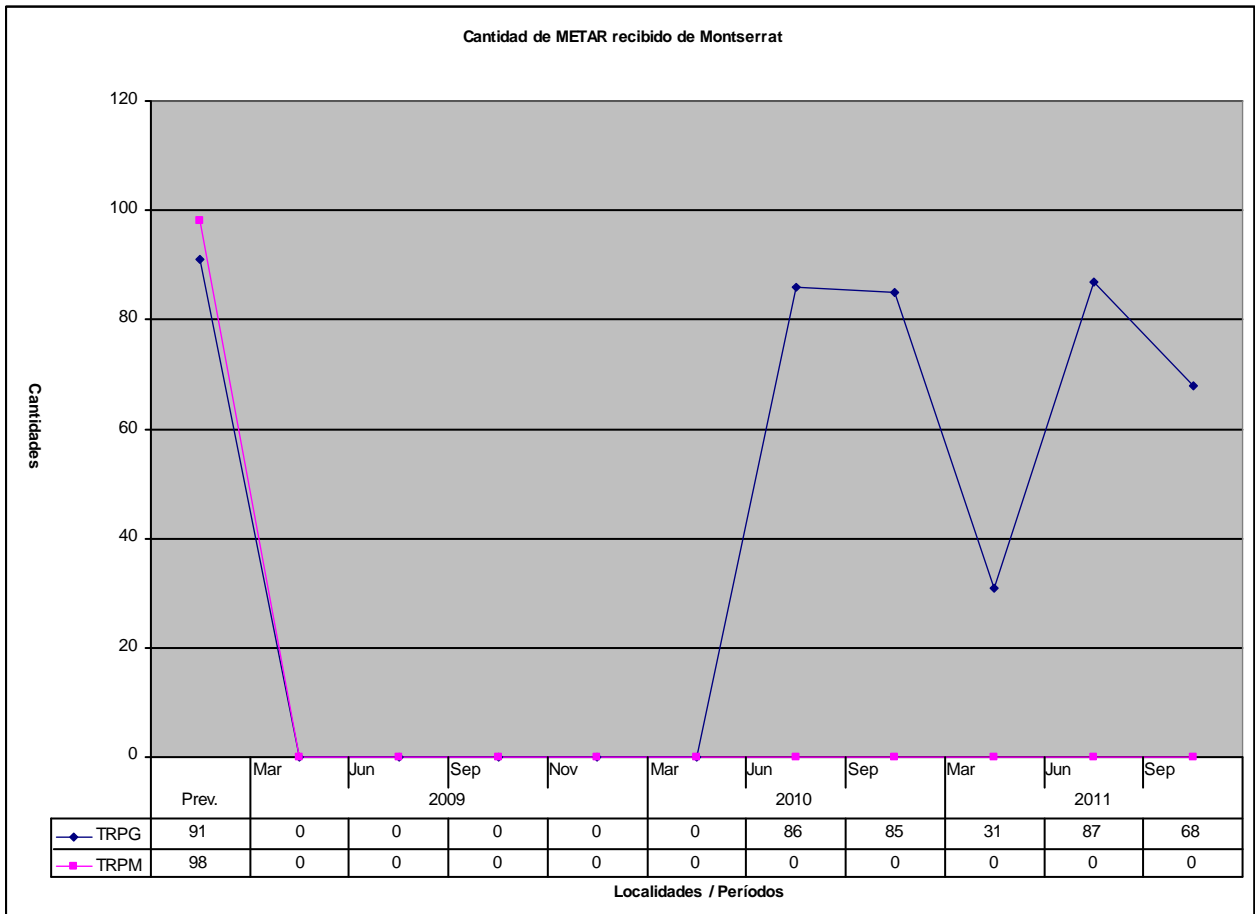
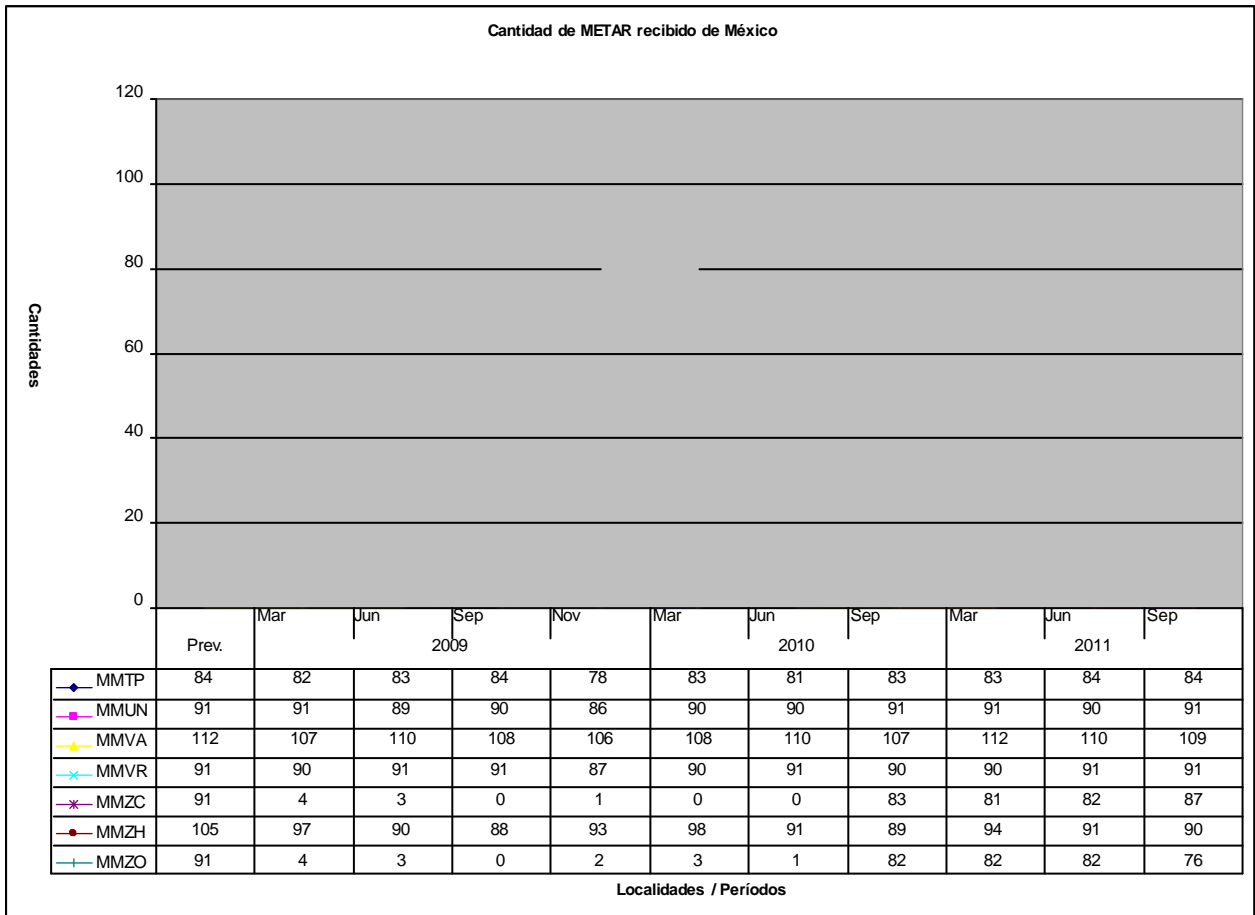


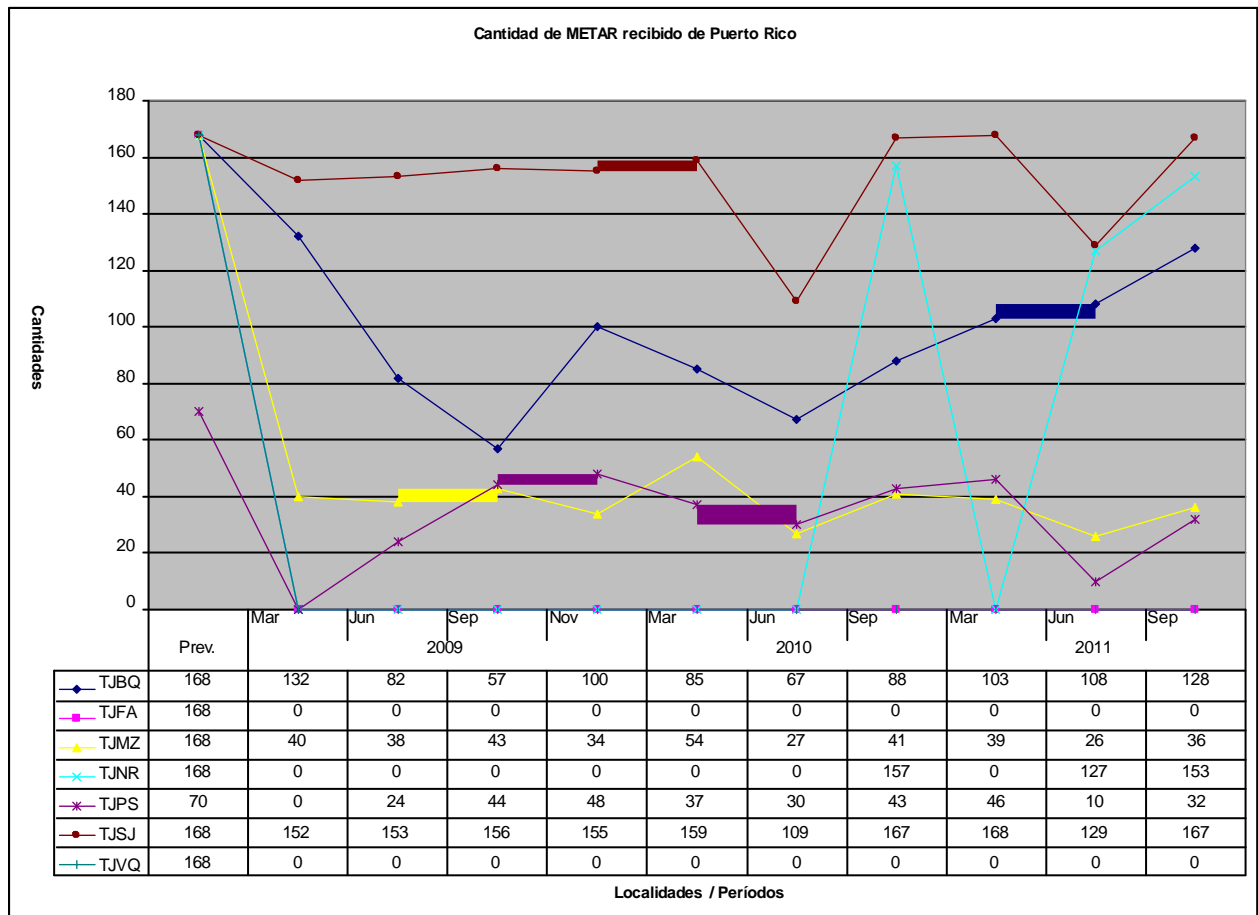
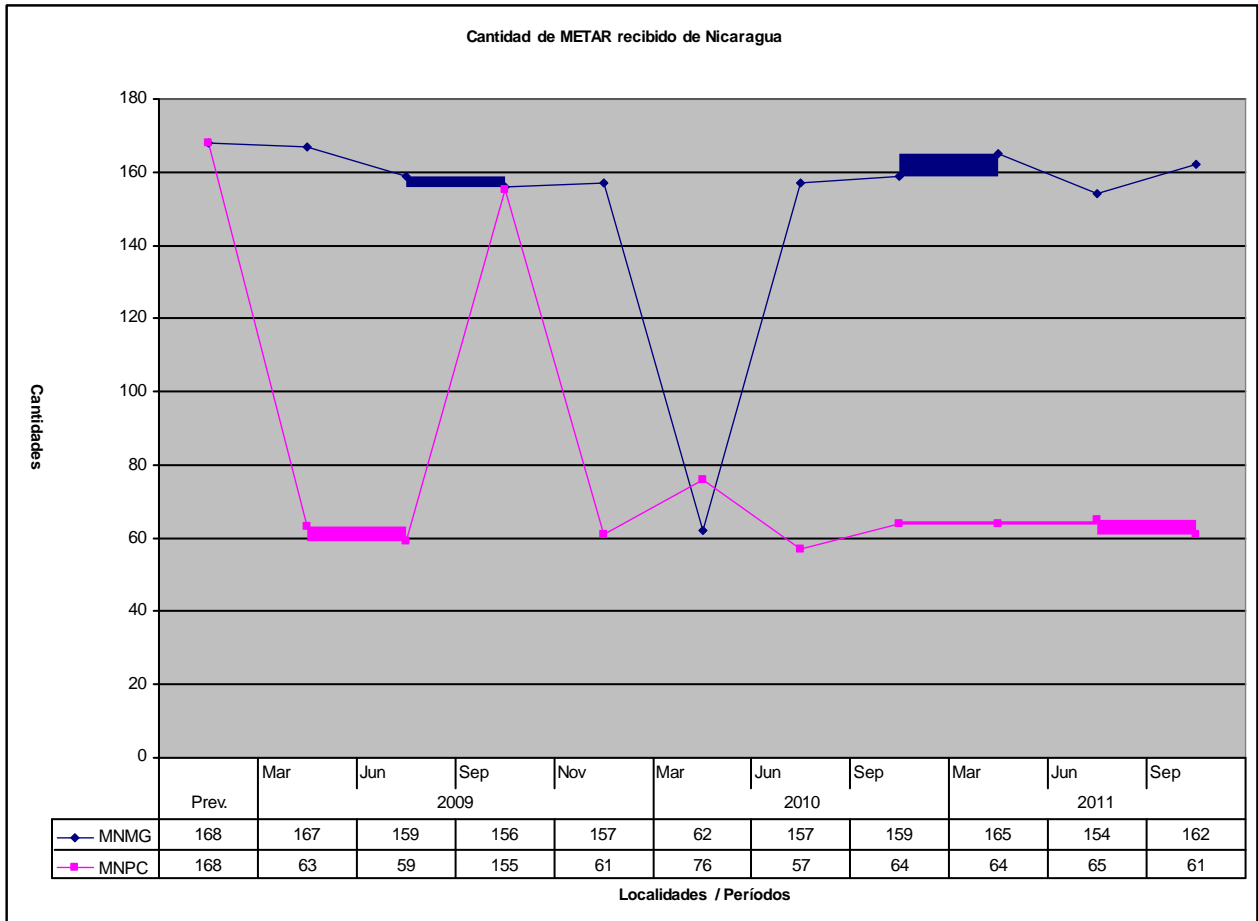


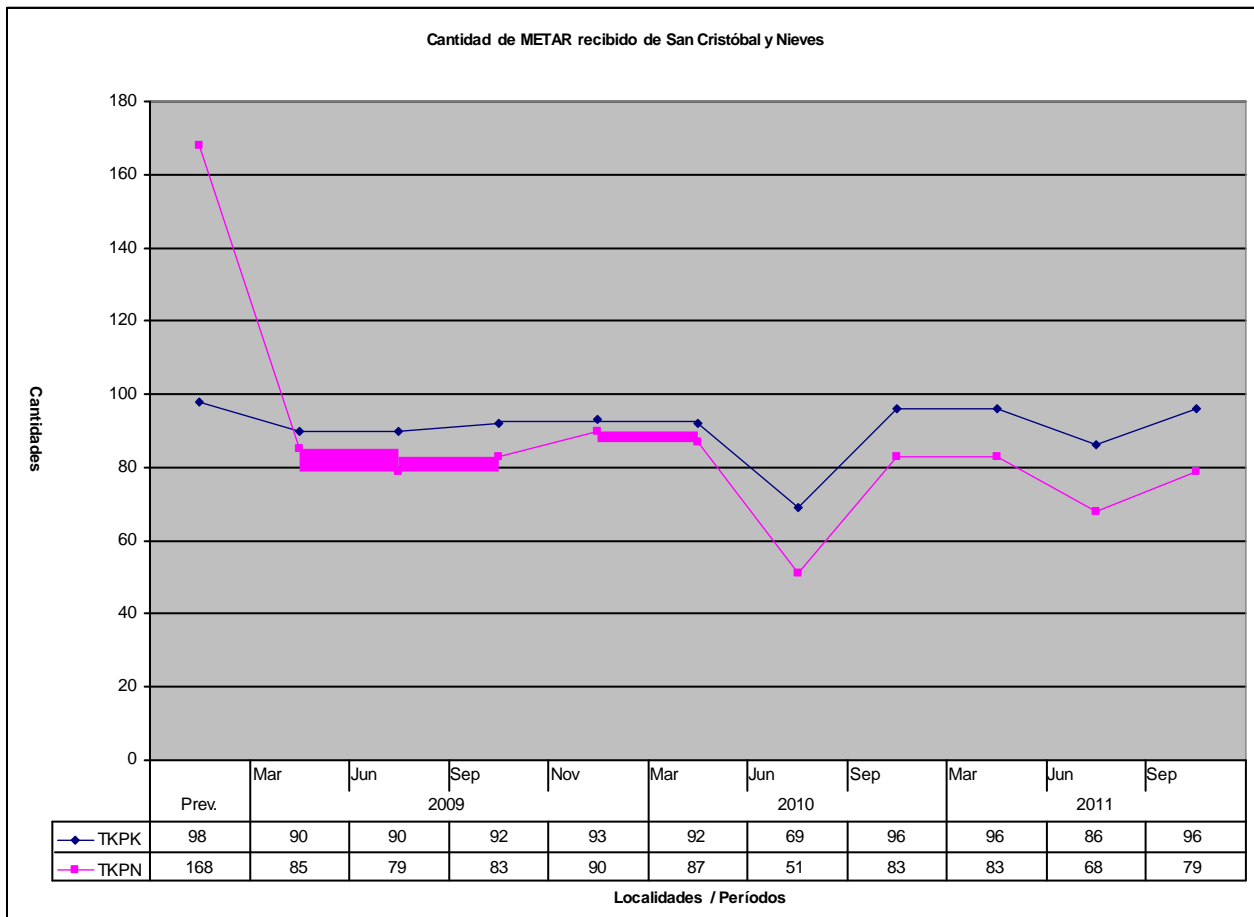
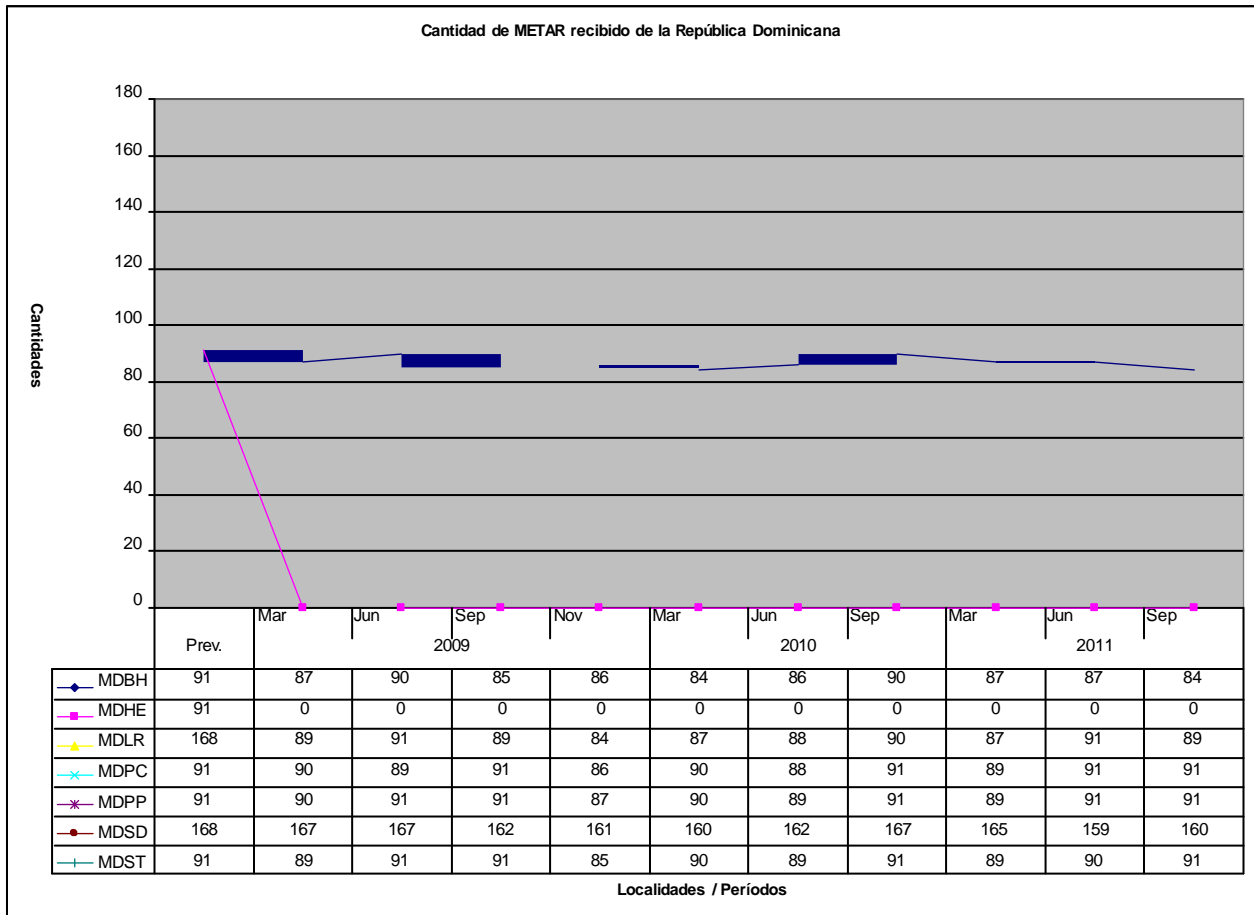


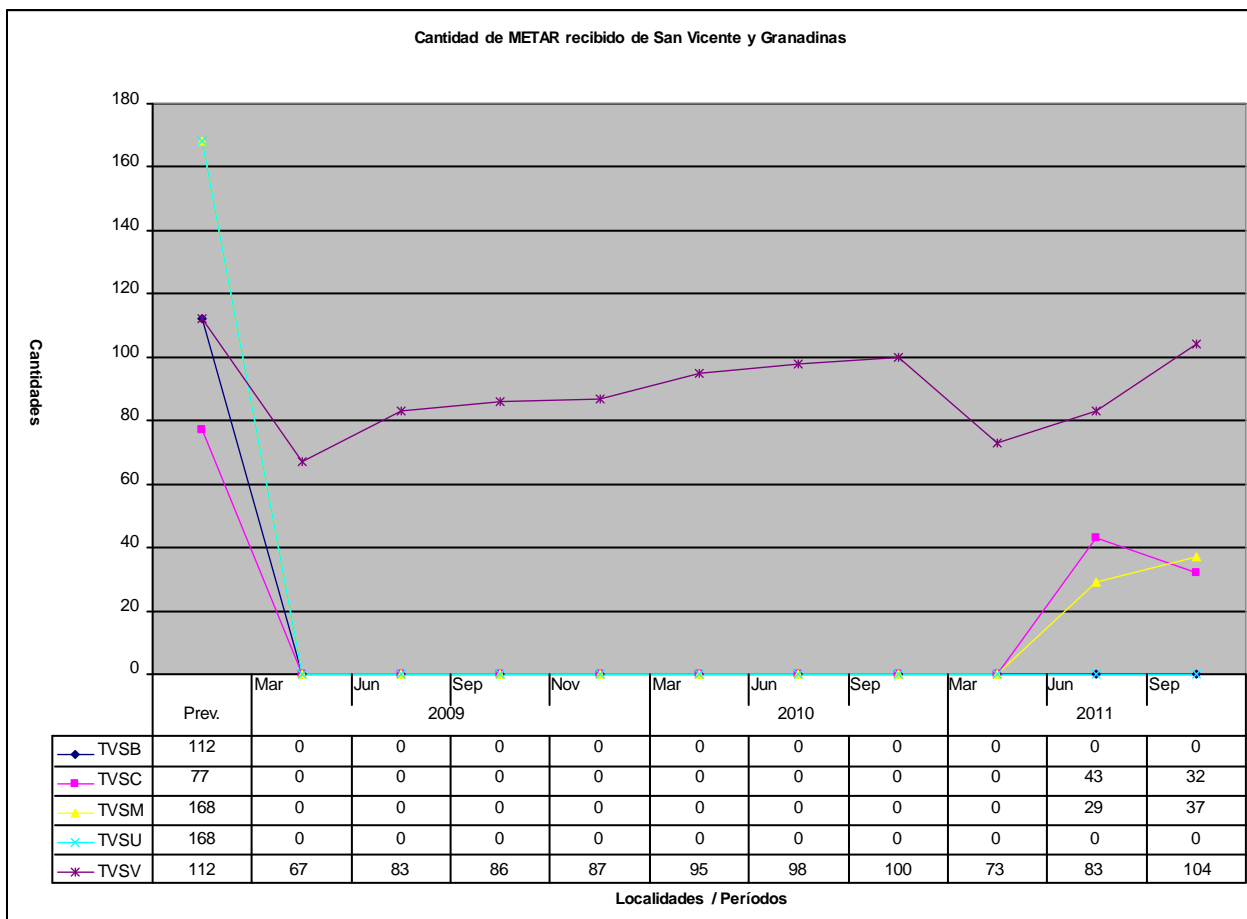
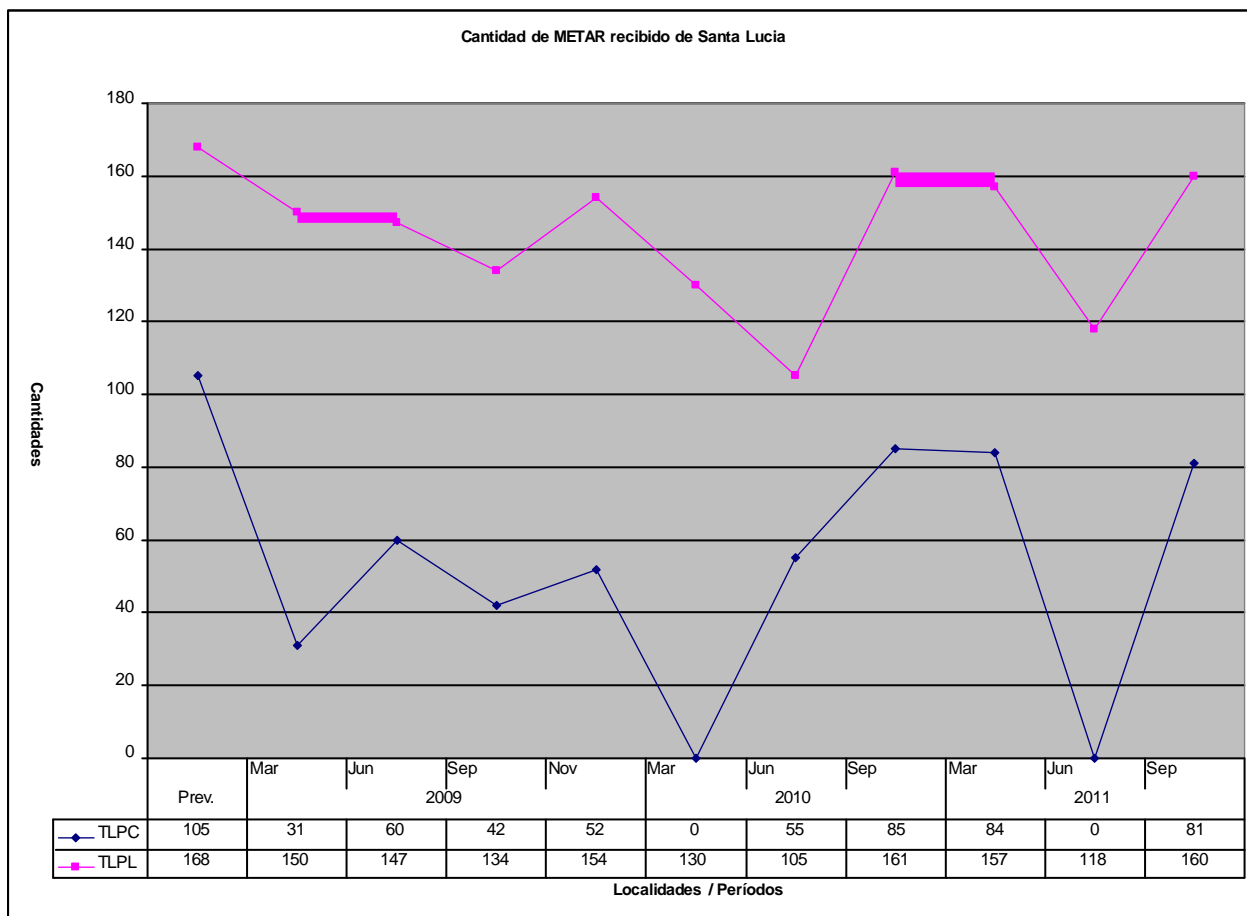


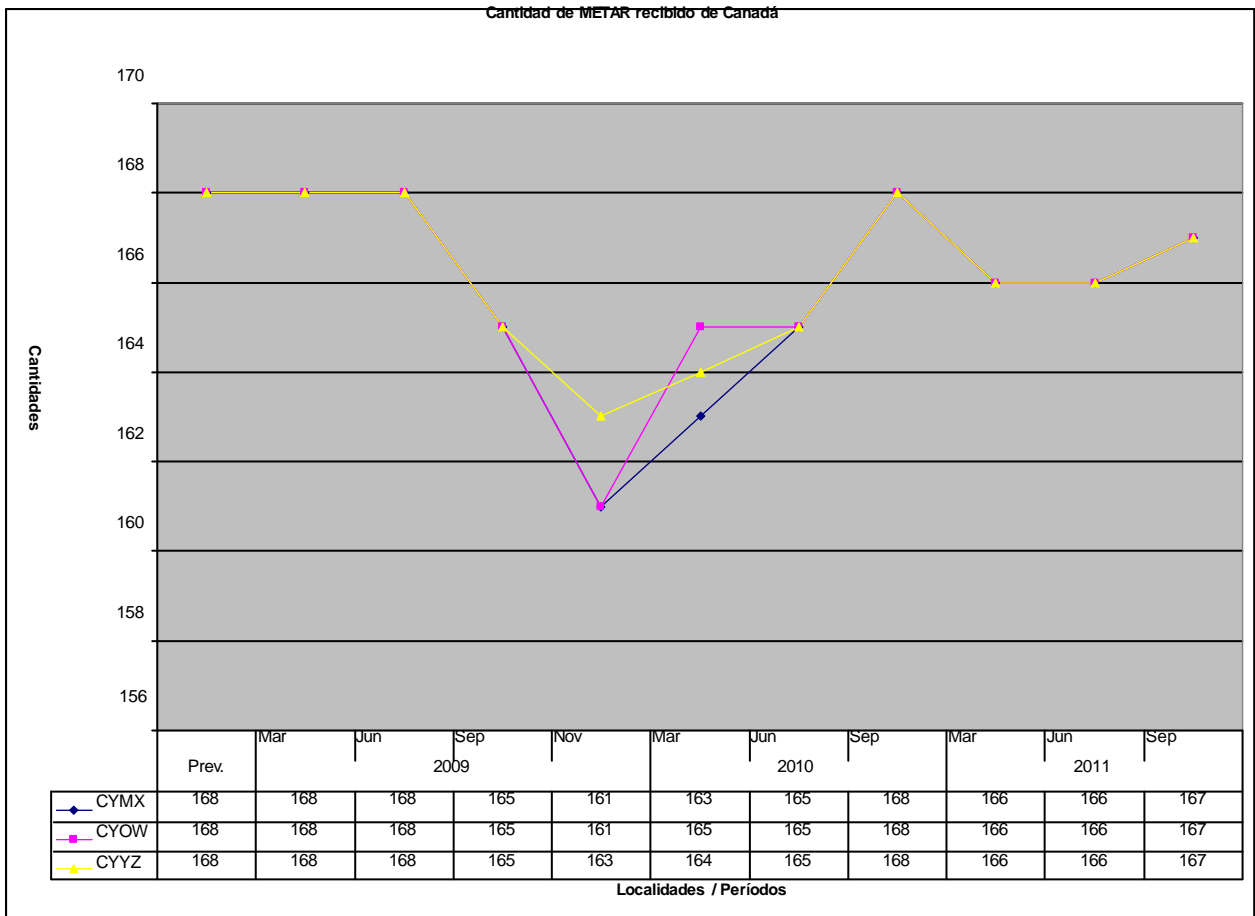
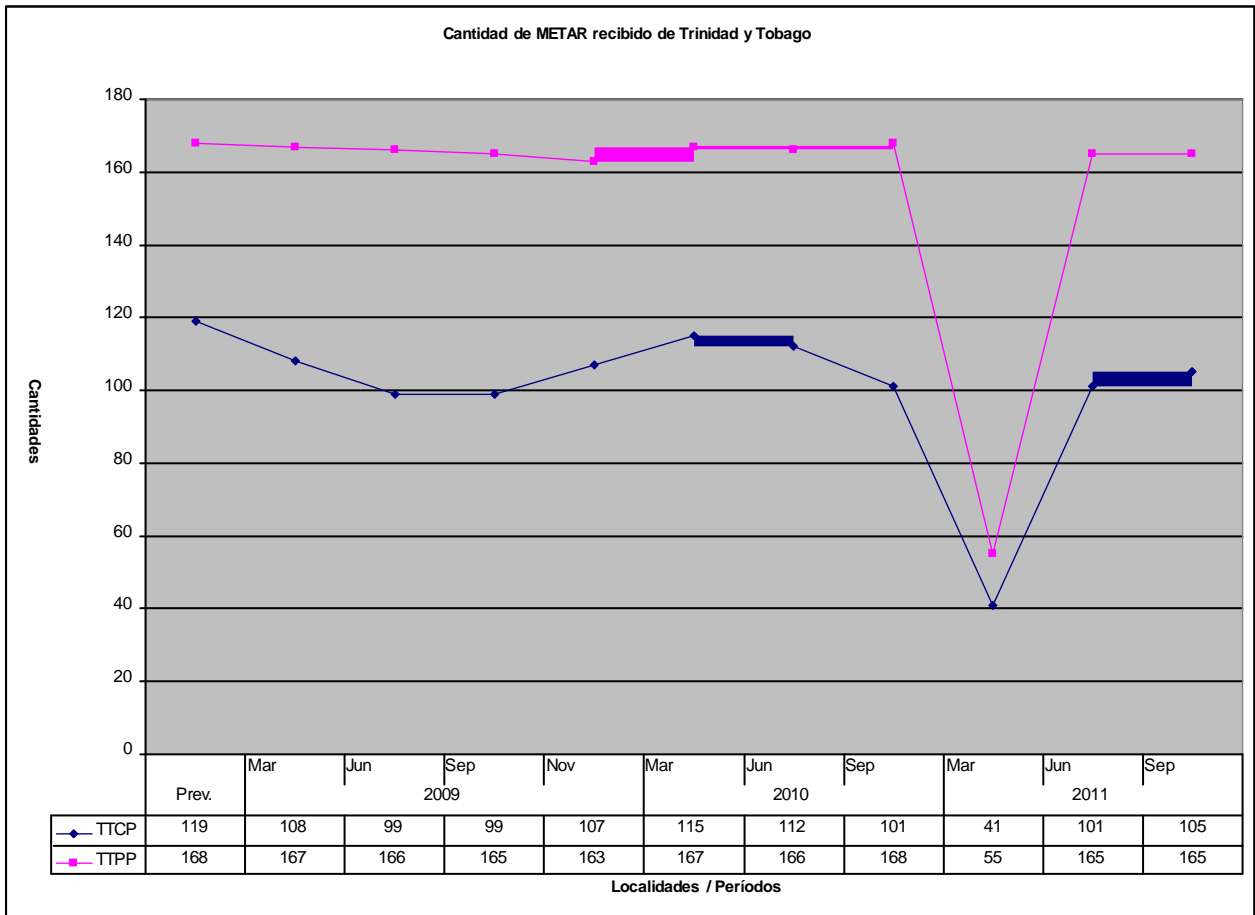


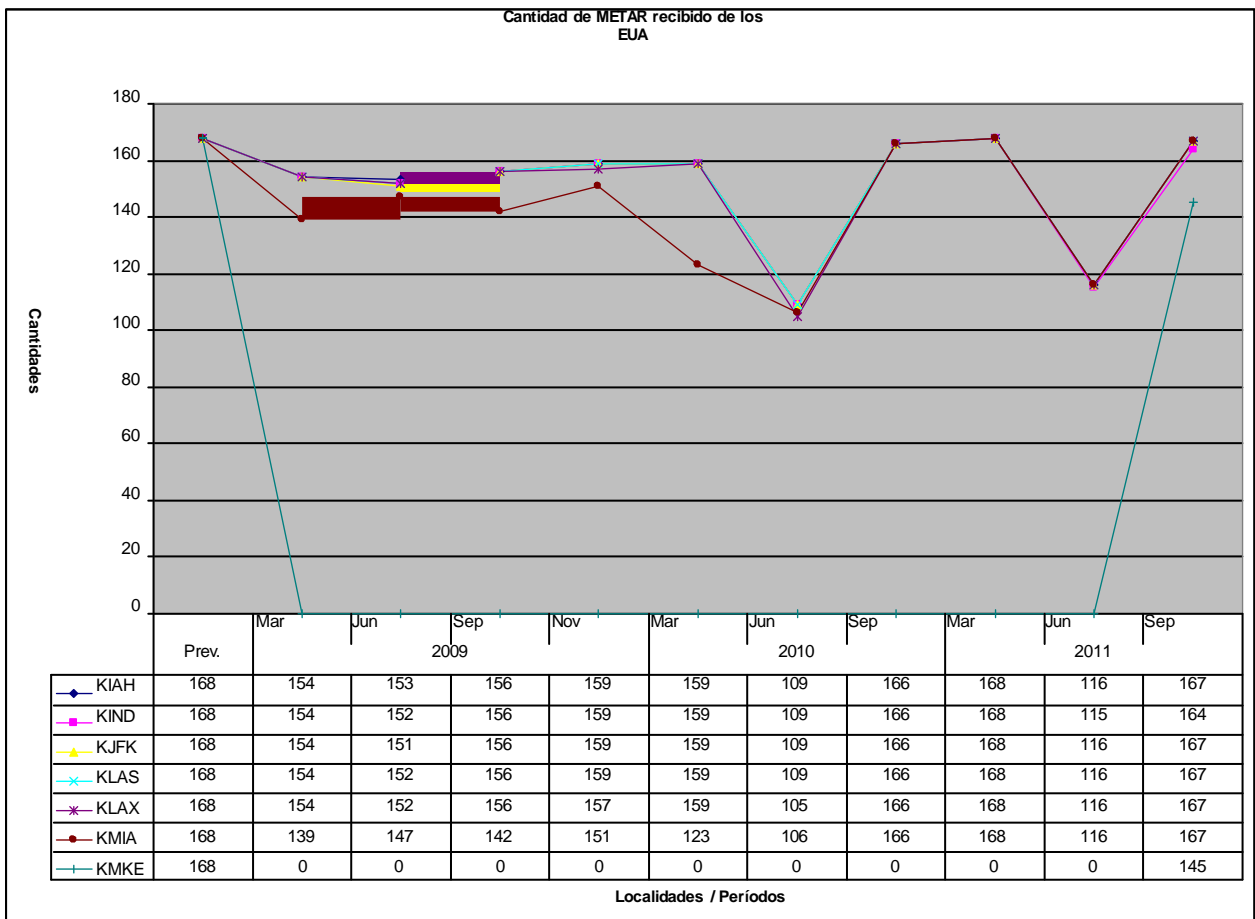
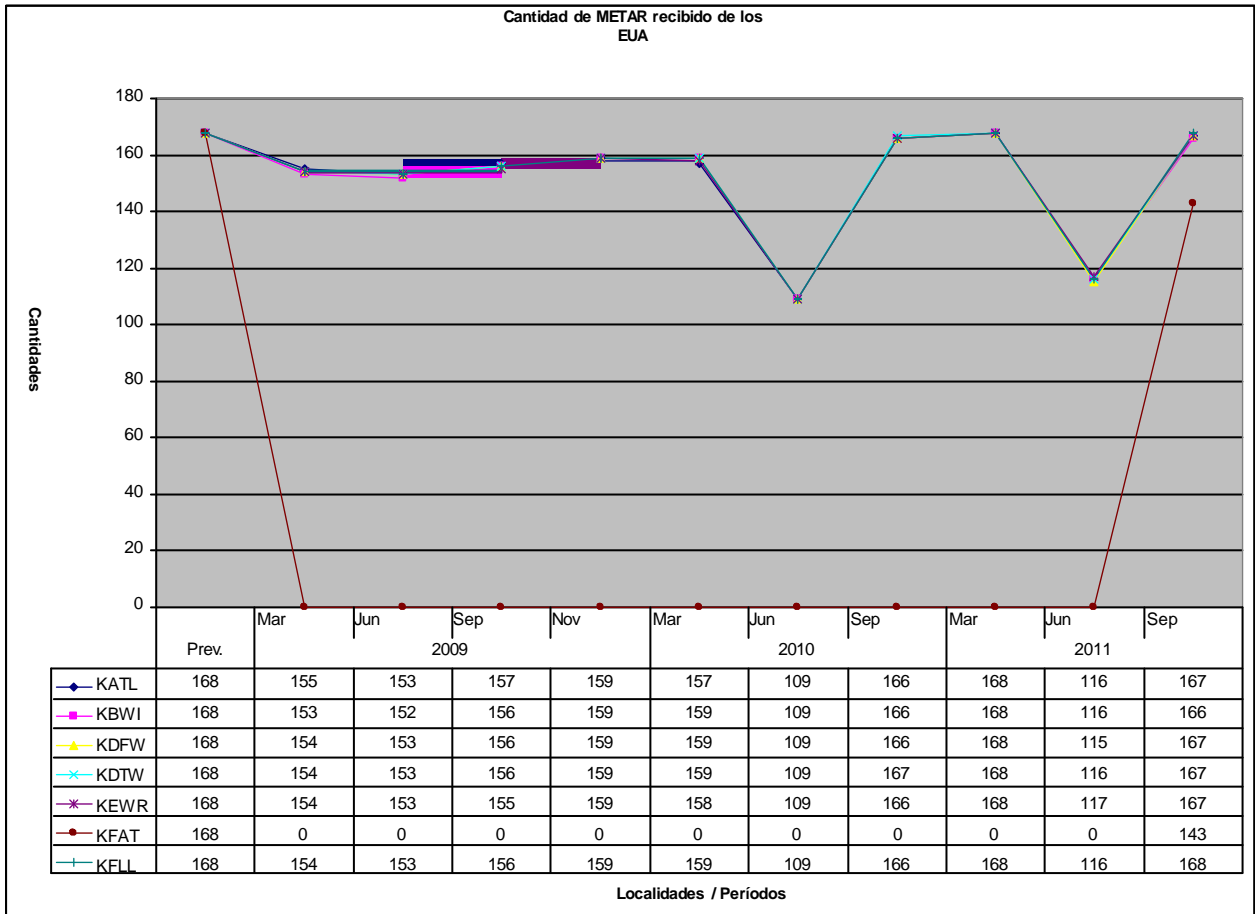


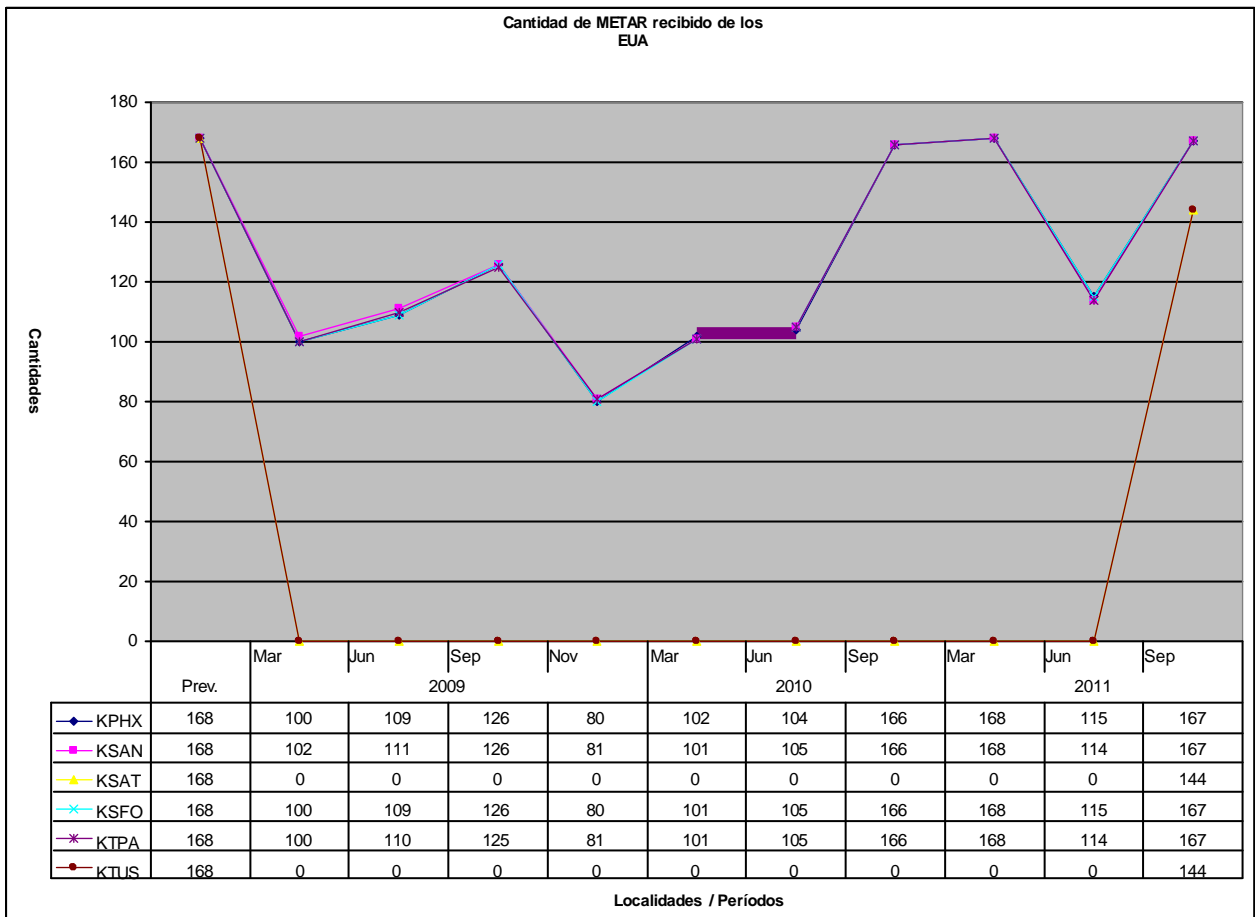
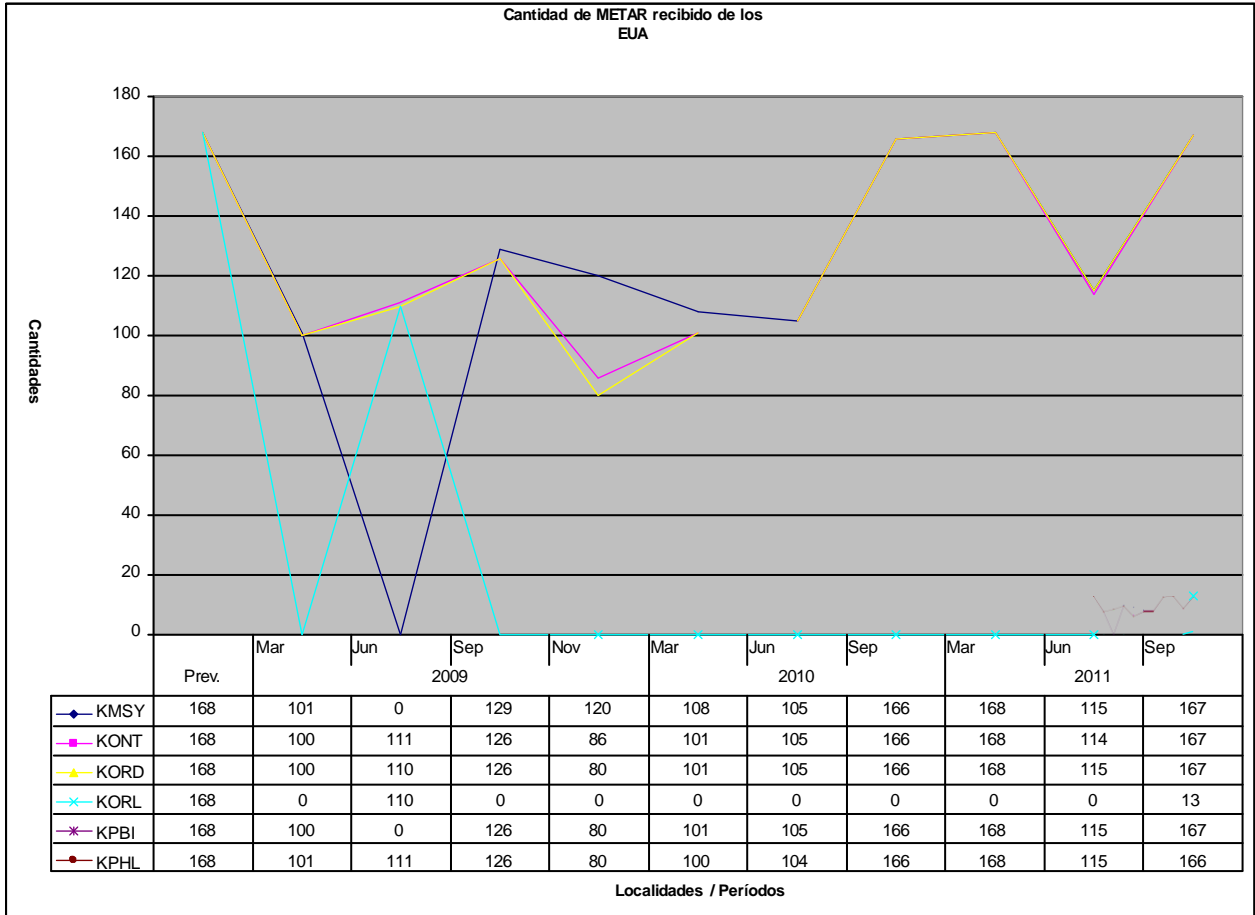


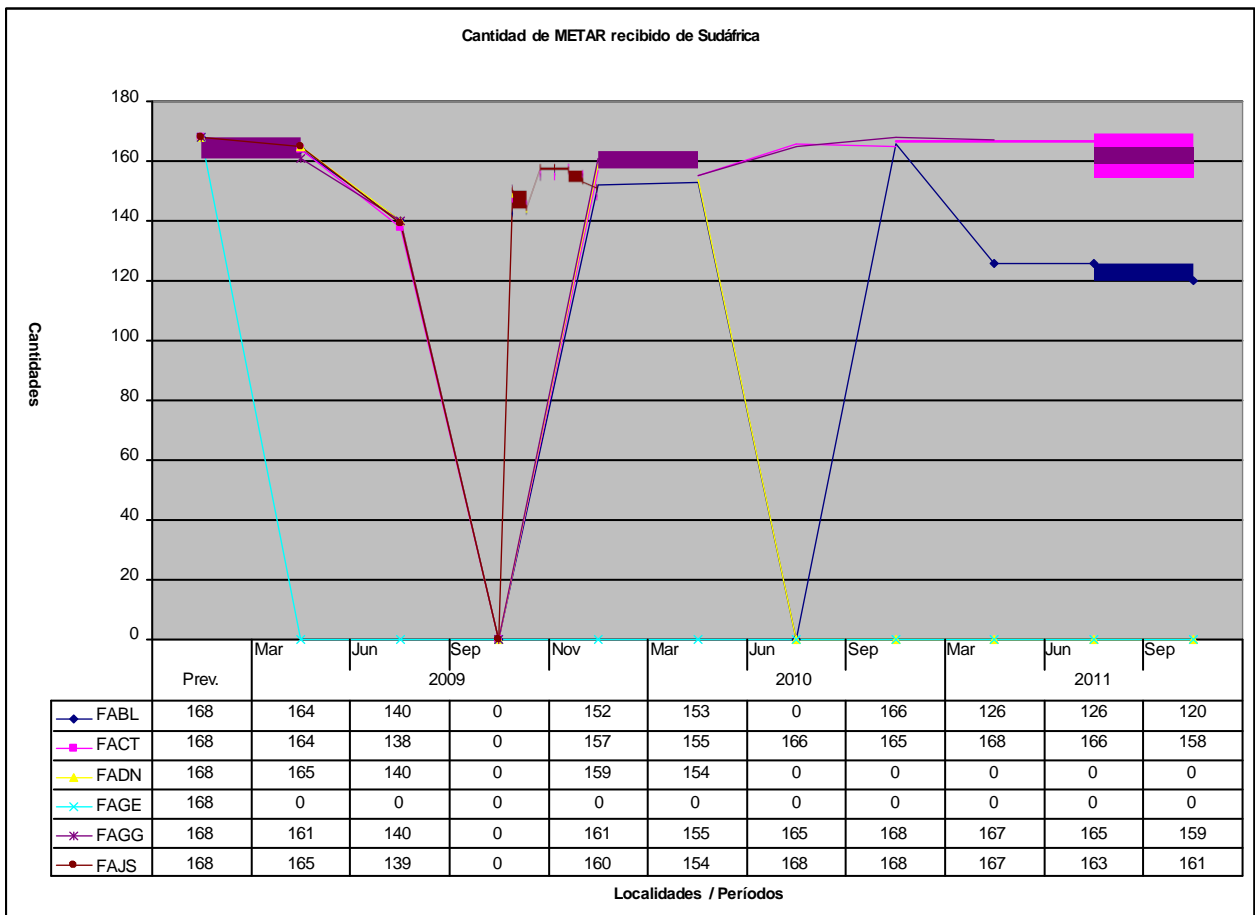
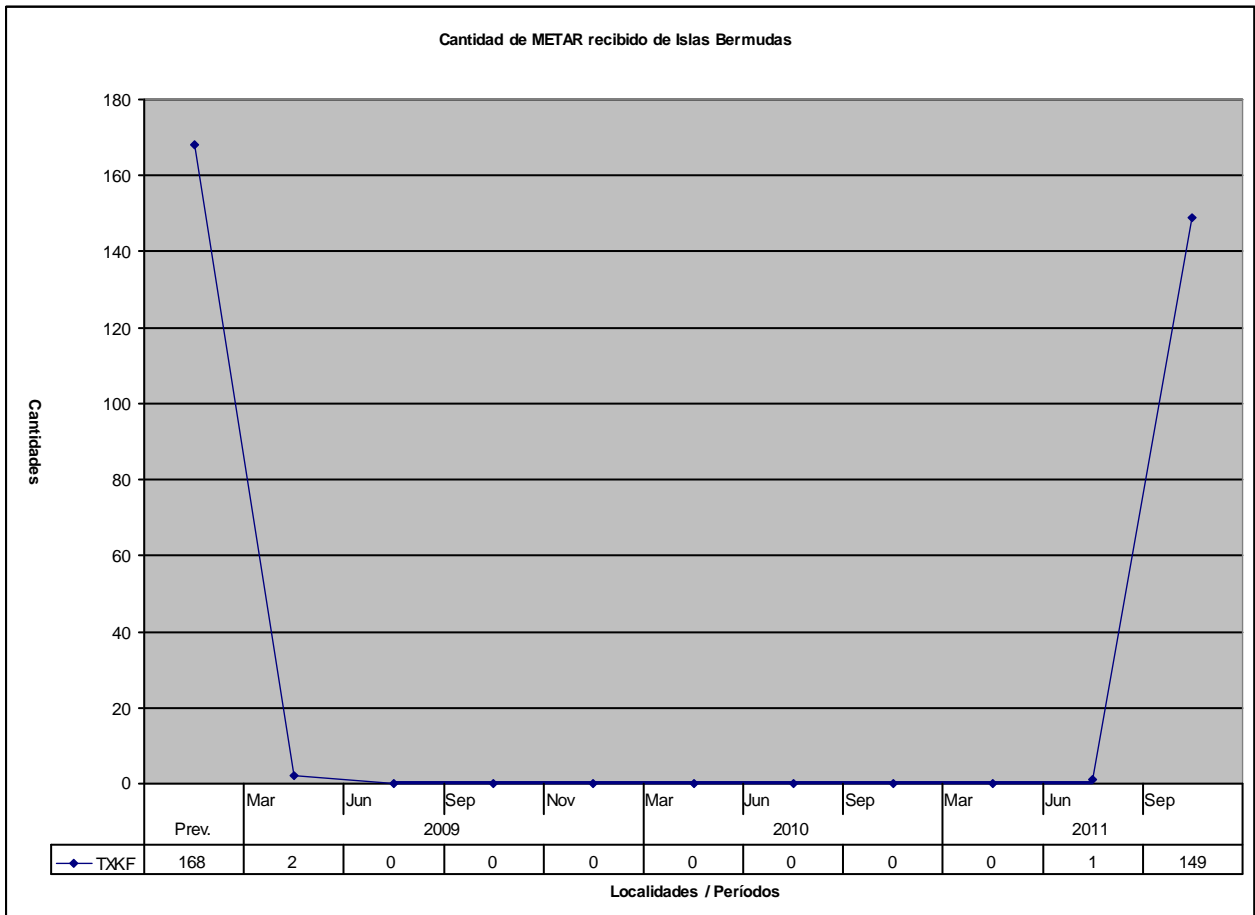


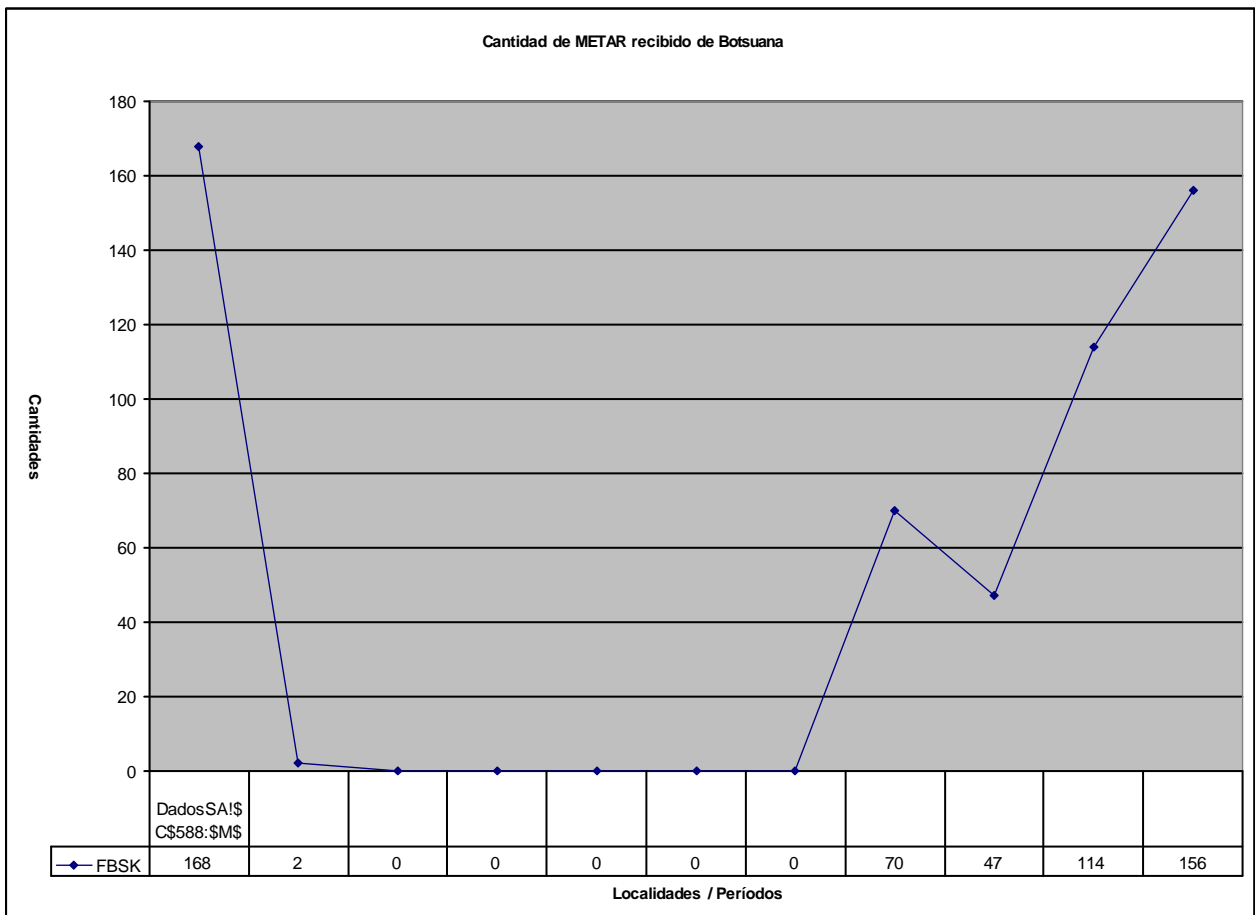
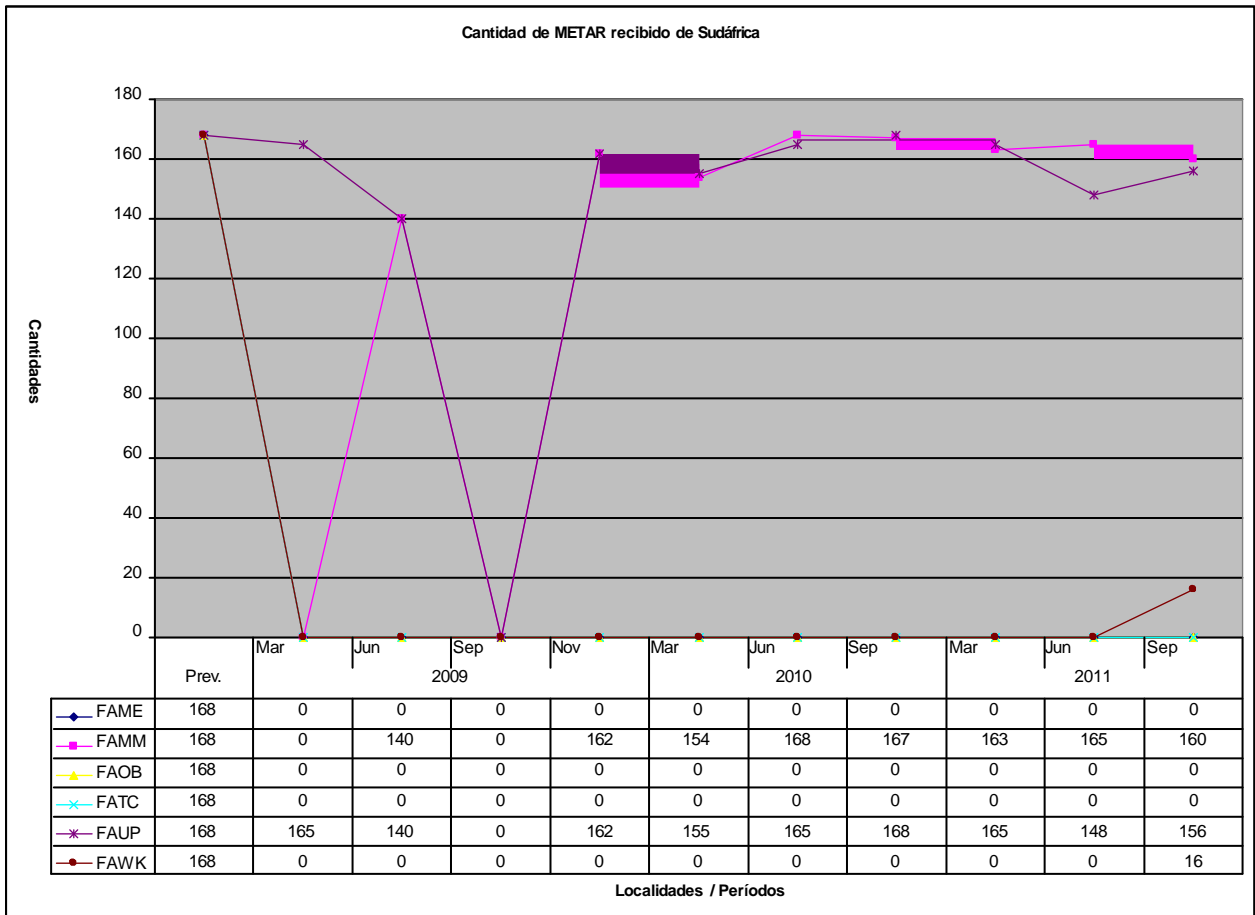


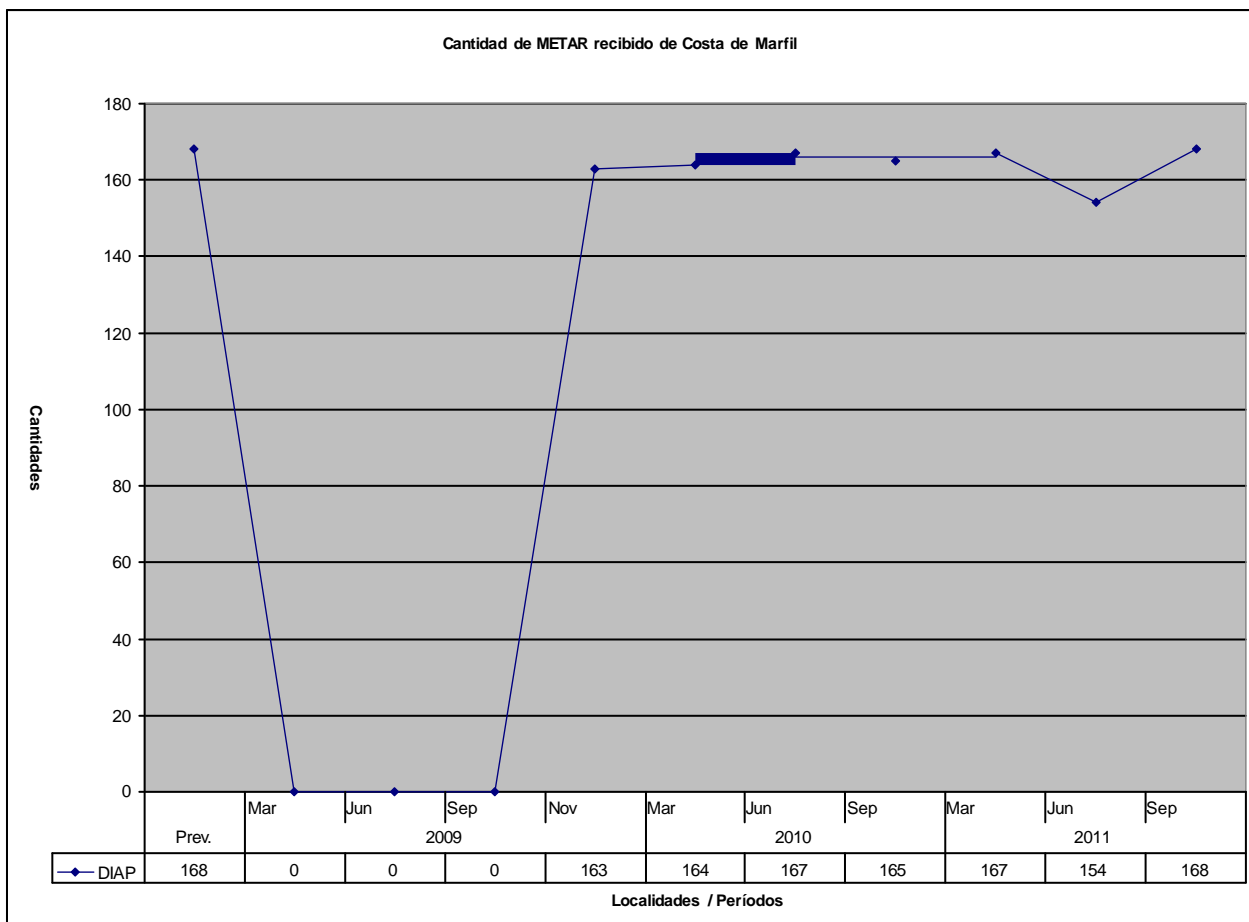
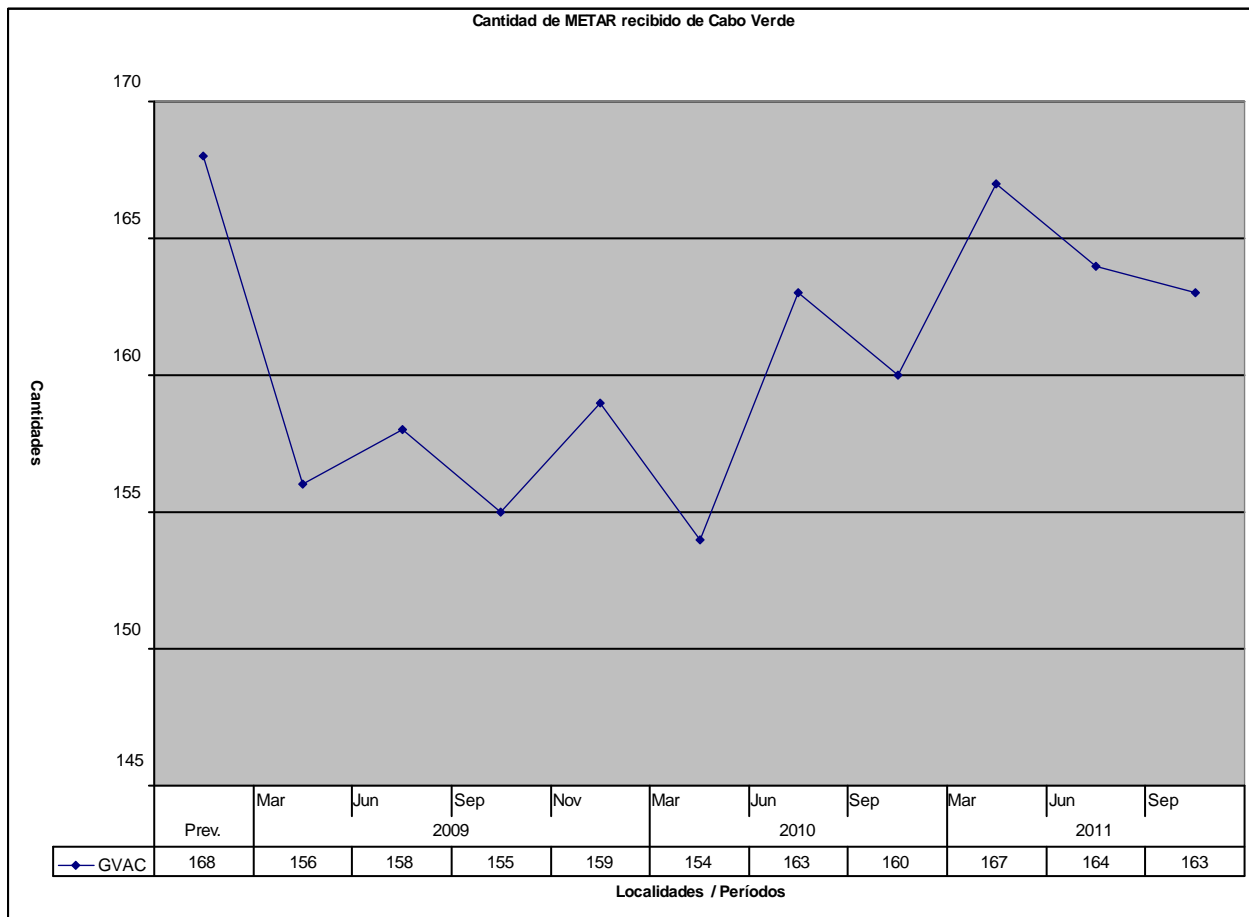


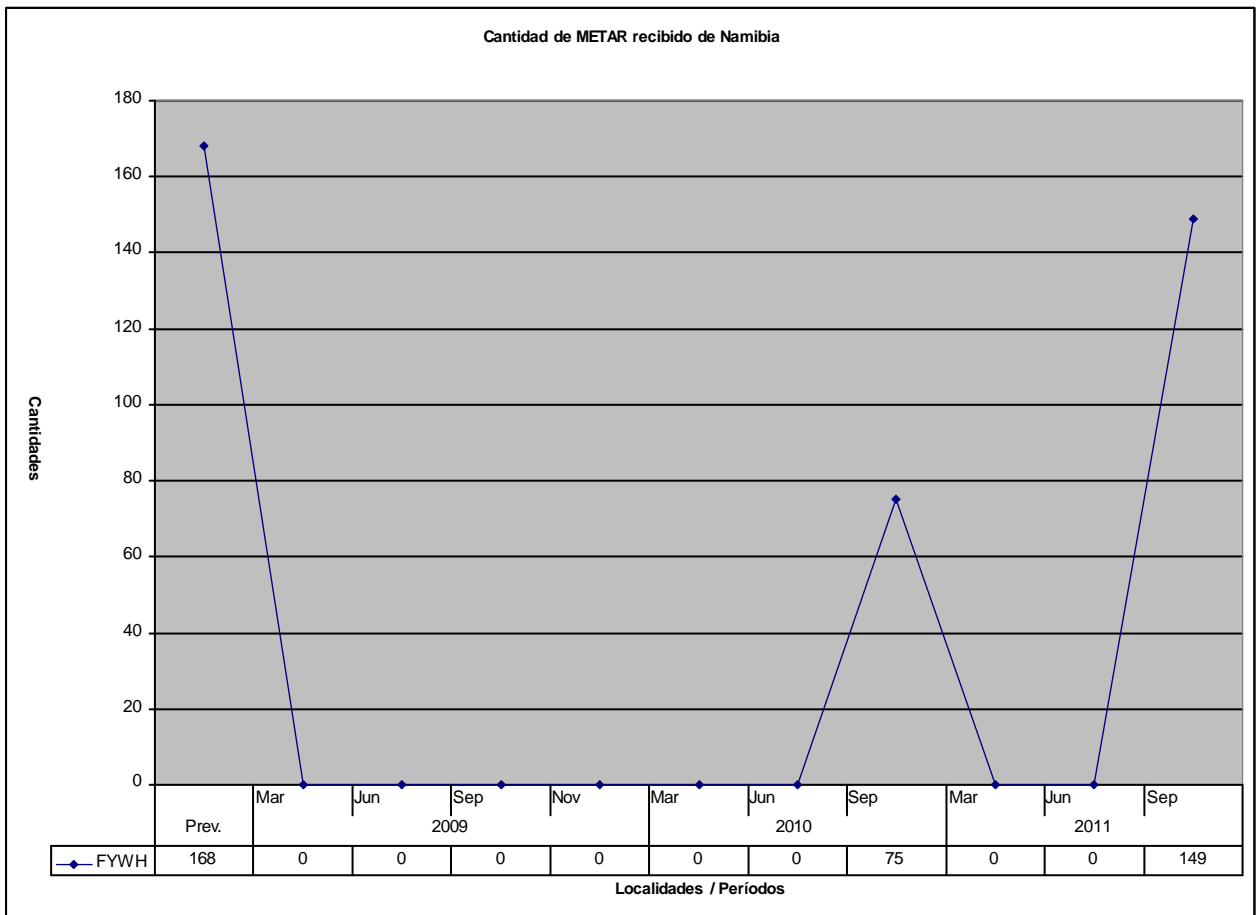
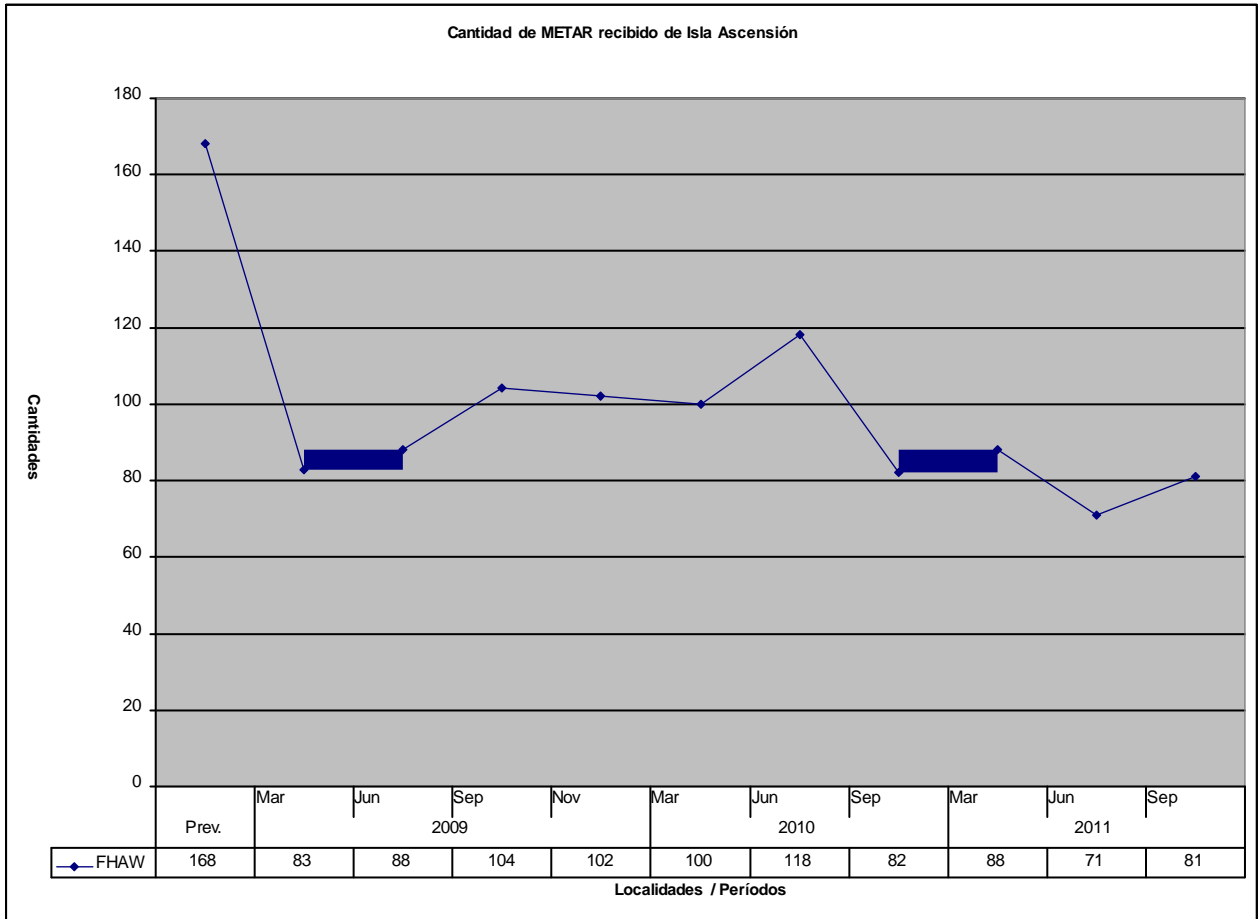


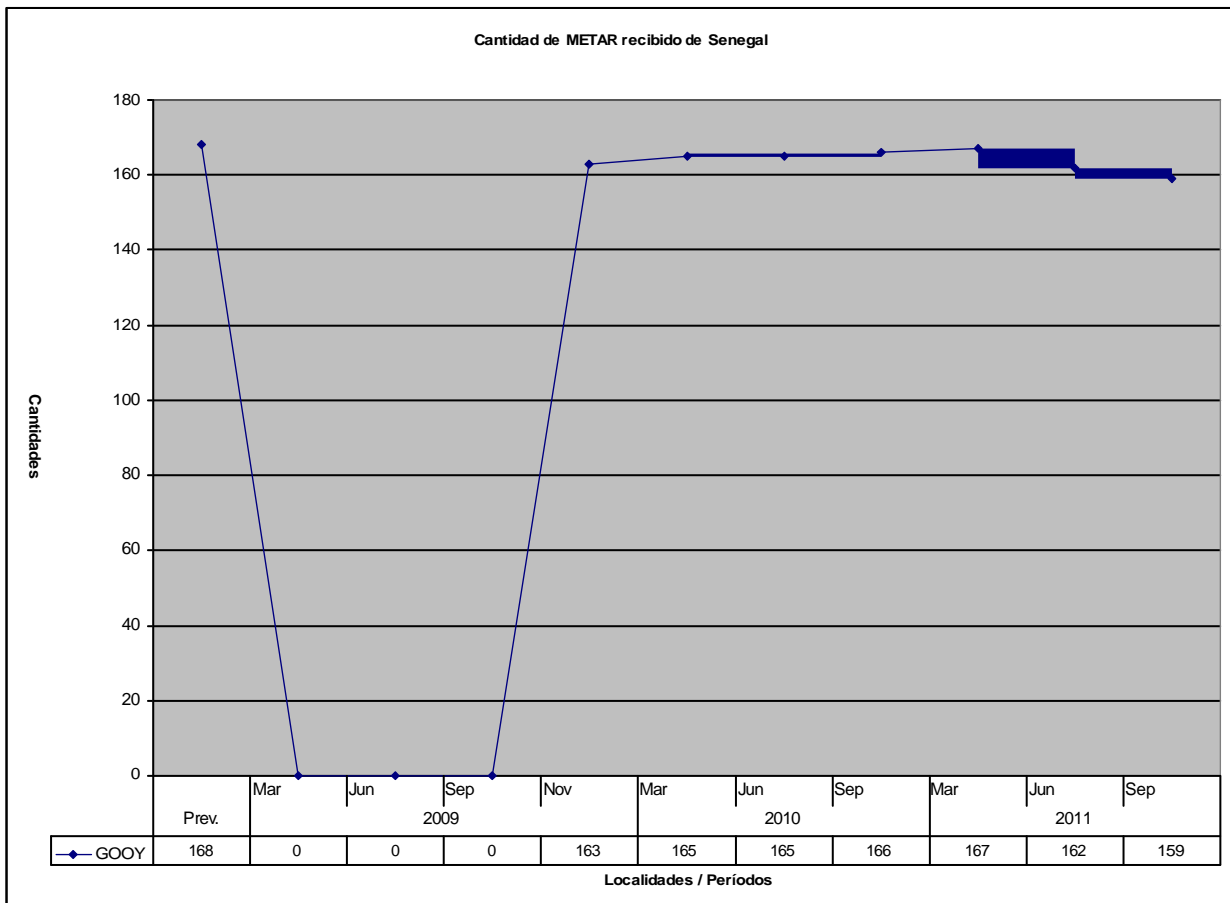
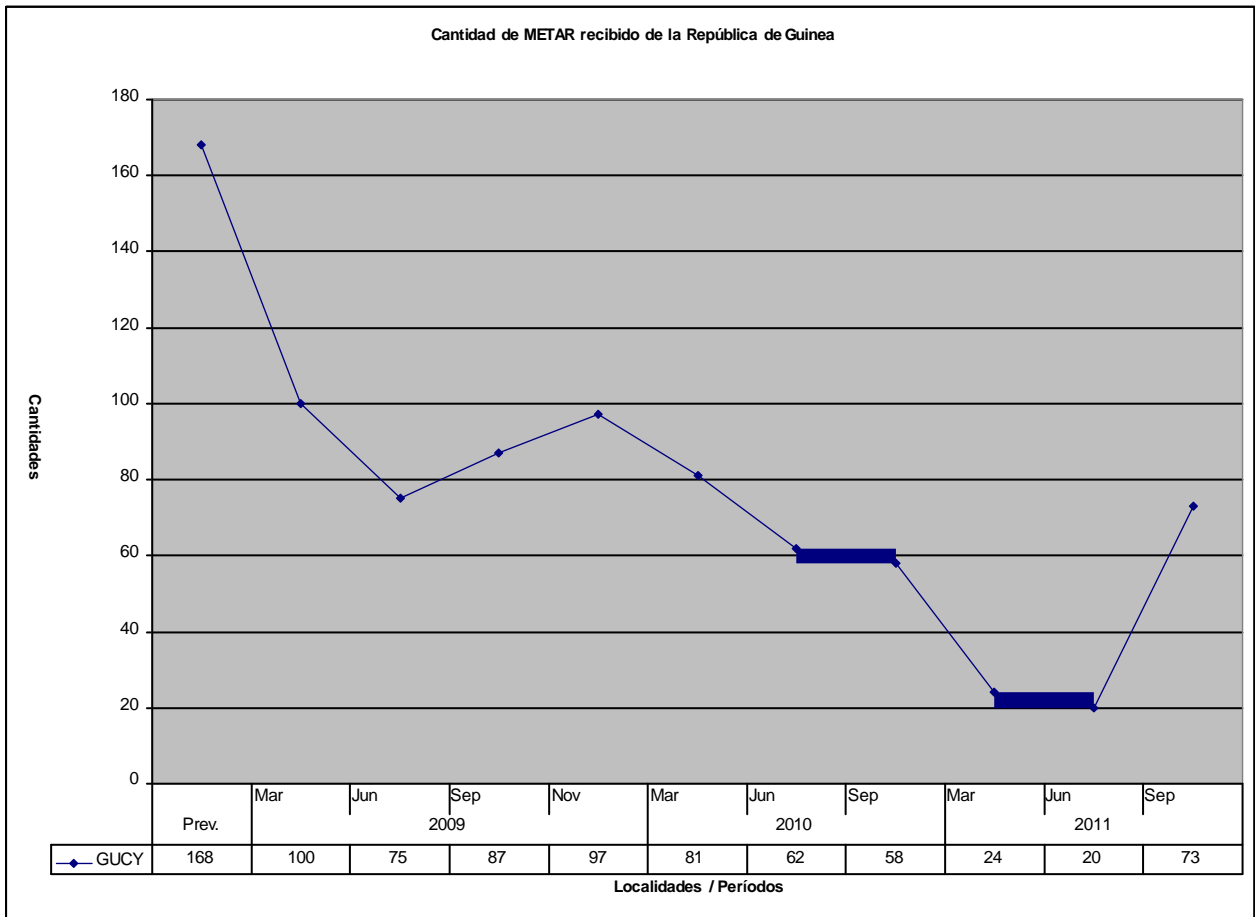












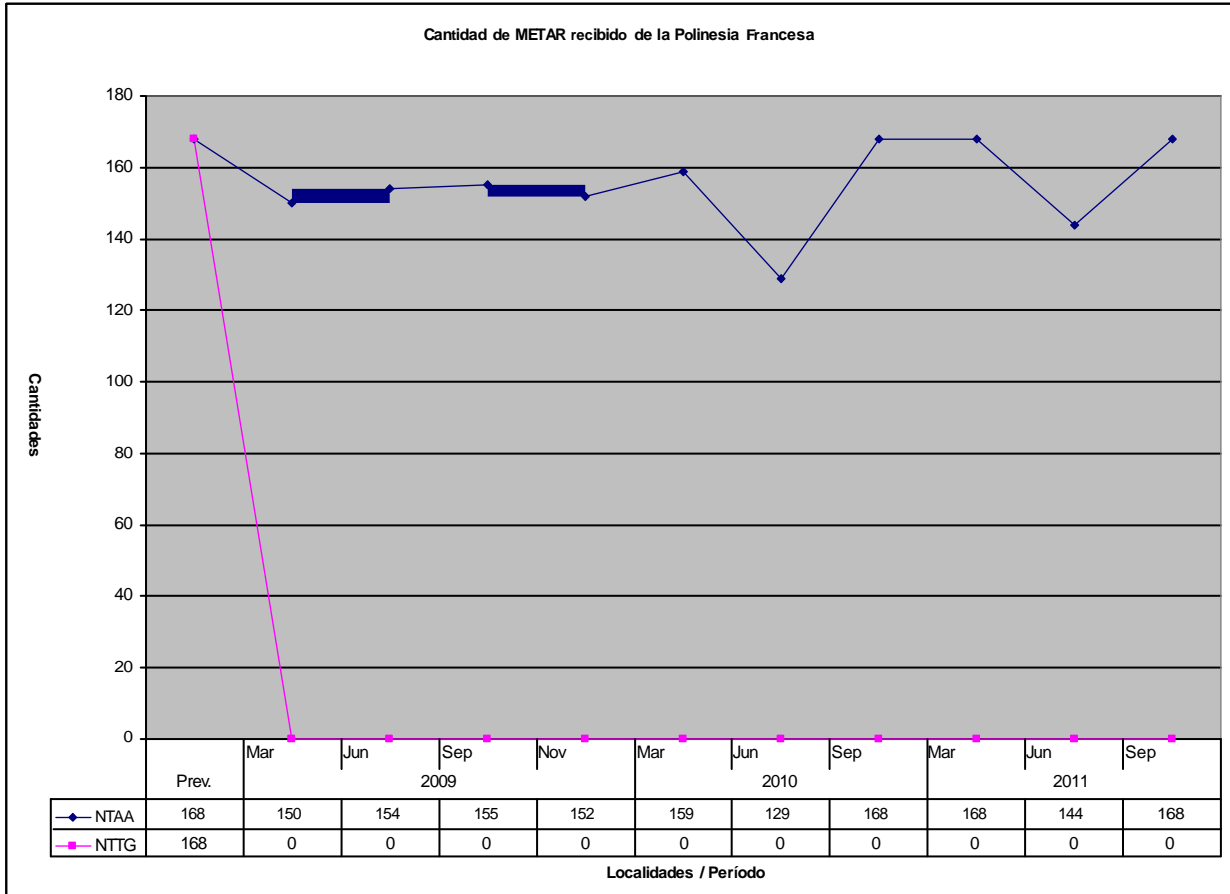
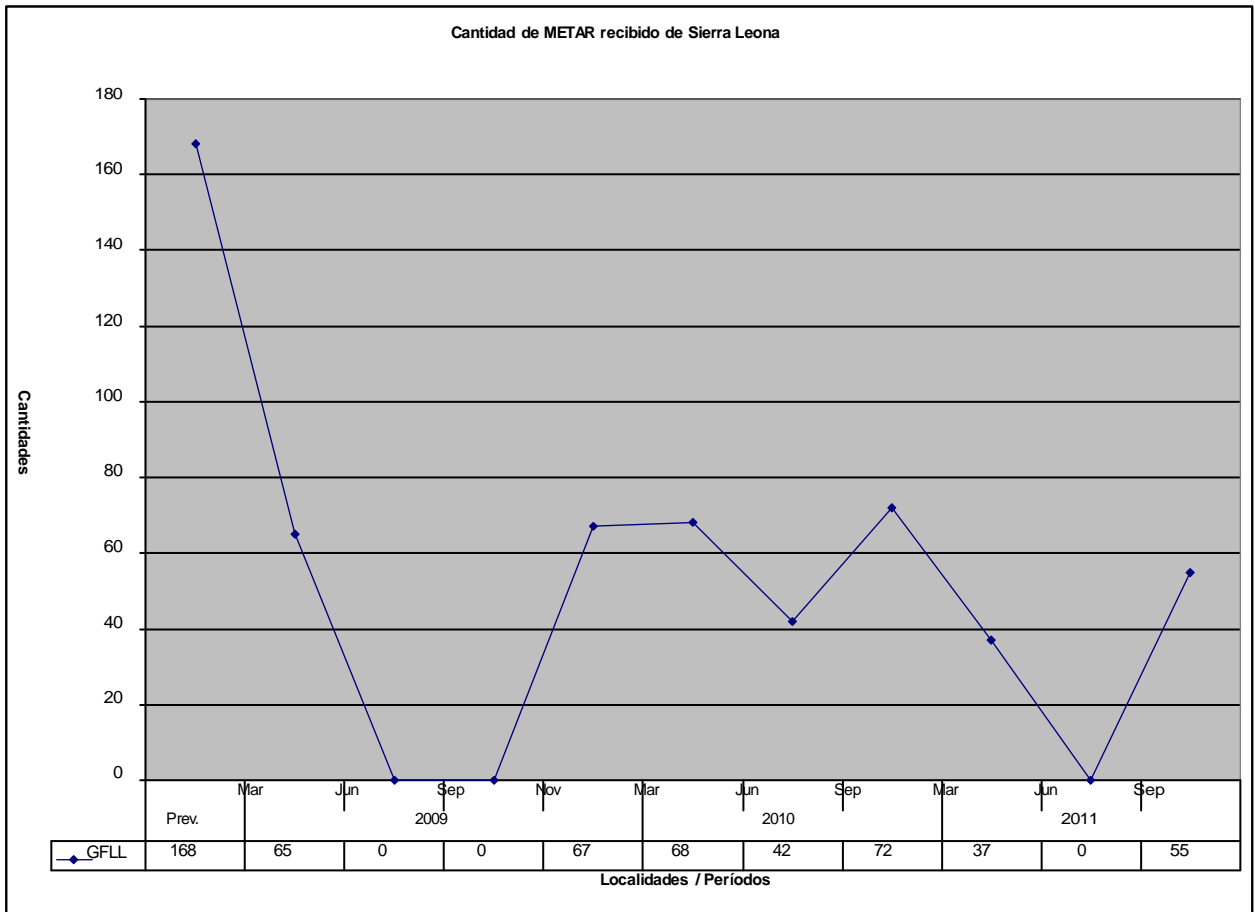




Table with the availability of TAF in the Brasilia OPMET Bank

| Local      | Prev. | 2009 |     |     |     | 2010 |     |     | 2011 |     |     |
|------------|-------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|            |       | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| Región SAM |       |      |     |     |     |      |     |     |      |     |     |
| Argentina  |       |      |     |     |     |      |     |     |      |     |     |
| SAAR       | 28    | 26   | 27  | 27  | 24  | 24   | 26  | 28  | 28   | 28  | 27  |
| SABE       | 28    | 25   | 27  | 26  | 26  | 24   | 28  | 27  | 27   | 27  | 28  |
| SACO       | 28    | 25   | 25  | 27  | 27  | 22   | 25  | 25  | 28   | 27  | 27  |
| SADD       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SADF       | 28    | 0    | 27  | 26  | 27  | 21   | 28  | 28  | 26   | 27  | 26  |
| SAEZ       | 28    | 27   | 28  | 28  | 26  | 22   | 25  | 26  | 28   | 28  | 28  |
| SAME       | 28    | 28   | 28  | 28  | 28  | 24   | 27  | 28  | 28   | 28  | 28  |
| SANT       | 28    | 11   | 18  | 14  | 20  | 22   | 26  | 27  | 28   | 25  | 25  |
| SAOC       | 28    |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SARC       | 28    |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SARE       | 28    | 28   | 28  | 27  | 28  | 26   | 27  | 28  | 28   | 28  | 28  |
| SARF       | 28    | 28   | 28  | 27  | 28  | 26   | 27  | 28  | 28   | 27  | 28  |
| SARI       | 28    | 28   | 28  | 27  | 28  | 26   | 27  | 28  | 28   | 27  | 27  |
| SARL       | 28    |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SARP       | 28    | 28   | 28  | 27  | 28  | 26   | 27  | 28  | 28   | 27  | 28  |
| SASA       | 28    | 25   | 23  | 27  | 28  | 22   | 25  | 25  | 27   | 25  | 27  |
| SASJ       | 28    | 25   | 22  | 27  | 27  | 22   | 26  | 25  | 27   | 27  | 27  |
| SAVC       | 28    | 27   | 27  | 27  | 28  | 26   | 26  | 27  | 26   | 27  | 27  |
| SAWE       | 28    | 27   | 28  | 27  | 24  | 26   | 26  | 27  | 26   | 27  | 27  |
| SAWG       | 28    | 27   | 28  | 25  | 24  | 25   | 26  | 26  | 26   | 26  | 25  |
| SAWH       | 28    | 27   | 28  | 26  | 24  | 26   | 26  | 26  | 27   | 27  | 27  |
| SAZM       | 28    | 27   | 27  | 26  | 27  | 25   | 28  | 26  | 28   | 28  | 27  |
| SAZN       | 28    | 27   | 26  | 27  | 27  | 24   | 28  | 27  | 27   | 28  | 27  |
| SAZS       | 28    | 26   | 26  | 27  | 27  | 24   | 28  | 28  | 27   | 25  | 25  |
| Bolivia    |       |      |     |     |     |      |     |     |      |     |     |
| SLCB       | 28    | 28   | 28  | 28  | 28  | 26   | 26  | 27  | 27   | 27  | 28  |
| SLCO       | 28    | 92   | 28  | 28  | 28  | 27   | 25  | 27  | 25   | 27  | 28  |
| SLET       | 28    | 21   | 21  | 21  | 24  | 24   | 26  | 27  | 24   | 27  | 27  |
| SLLP       | 28    | 28   | 28  | 28  | 28  | 27   | 26  | 27  | 27   | 27  | 28  |
| SLPO       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SLPS       | 28    | 21   | 21  | 21  | 26  | 27   | 26  | 27  | 24   | 27  | 26  |
| SLSA       | 28    |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SLSI       | 28    |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SLSU       | 28    | 97   | 21  | 21  | 26  | 27   | 26  | 27  | 25   | 26  | 28  |
| SLTJ       | 21    | 21   | 21  | 21  | 26  | 27   | 26  | 27  | 27   | 26  | 28  |
| SLTR       | 28    | 28   | 28  | 28  | 27  | 27   | 26  | 27  | 27   | 27  | 28  |
| SLVM       | 28    |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SLVR       | 28    | 28   | 28  | 28  | 28  | 27   | 25  | 26  | 27   | 27  | 28  |
| SLYA       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| Chile      |       |      |     |     |     |      |     |     |      |     |     |
| SCAR       | 28    | 21   | 21  | 21  | 19  | 21   | 26  | 21  | 20   | 19  | 25  |
| SCAT       | 28    |      |     |     |     |      |     |     | 22   | 20  | 24  |
| SCBA       | 28    | 26   | 26  | 28  | 27  | 23   | 0   | 0   | 0    | 0   | 0   |
| SCCF       | 21    | 21   | 21  | 21  | 20  | 21   | 26  | 21  | 20   | 19  | 25  |
| SCCI       | 28    | 27   | 25  | 28  | 27  | 25   | 15  | 17  | 22   | 16  | 22  |
| SCDA       | 28    | 21   | 21  | 21  | 20  | 21   | 25  | 21  | 21   | 19  | 25  |
| SCEL       | 28    | 28   | 28  | 28  | 28  | 24   | 17  | 22  | 26   | 19  | 25  |
| SCFA       | 21    | 21   | 21  | 21  | 20  | 21   | 25  | 21  | 22   | 19  | 25  |
| SCIE       | 28    | 28   | 26  | 28  | 28  | 25   | 16  | 21  | 25   | 19  | 25  |
| SCIP       | 14    | 14   | 14  | 16  | 13  | 11   | 19  | 14  | 20   | 19  | 23  |

| Local            | Prev. | 2009 |     |     |     | 2010 |     |     | 2011 |     |     |
|------------------|-------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|                  |       | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| Región SAM       |       |      |     |     |     |      |     |     |      |     |     |
| SCJO             | 28    | 13   | 13  | 14  | 13  | 13   | 8   | 9   | 14   | 11  | 13  |
| SCNT             | 28    |      |     | 7   | 5   | 7    | 5   | 4   | 5    | 4   | 6   |
| SCSE             | 28    | 28   | 28  | 28  | 28  | 24   | 25  | 27  | 26   | 19  | 24  |
| SCTC             | 28    | 26   | 27  | 27  | 27  | 23   | 13  | 21  | 27   | 18  | 24  |
| SCTE             | 28    | 27   | 28  | 28  | 27  | 25   | 13  | 21  | 26   | 18  | 22  |
| Colombia         |       |      |     |     |     |      |     |     |      |     |     |
| SKBG             | 28    | 26   | 11  | 12  | 13  | 14   | 14  | 0   | 27   | 28  | 26  |
| SKBO             | 28    | 27   | 15  | 16  | 22  | 23   | 17  | 0   | 27   | 28  | 27  |
| SKBQ             | 28    | 27   | 12  | 13  | 13  | 19   | 17  | 0   | 27   | 27  | 27  |
| SKCC             | 28    | 26   | 11  | 12  | 13  | 14   | 13  | 0   | 27   | 28  | 26  |
| SKCG             | 28    | 27   | 13  | 15  | 16  | 22   | 17  | 0   | 27   | 28  | 27  |
| SKCL             | 28    | 25   | 11  | 12  | 12  | 13   | 12  | 0   | 27   | 28  | 26  |
| SKLT             | 28    | 26   | 11  | 11  | 12  | 13   | 12  | 0   | 25   | 28  | 26  |
| SKMD             | 28    |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SKPE             | 28    | 27   | 14  | 16  | 19  | 23   | 17  | 0   | 27   | 28  | 27  |
| SKRG             | 28    | 26   | 14  | 15  | 18  | 22   | 17  | 0   | 27   | 28  | 27  |
| SKSM             | 28    |      |     |     | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SKSP             | 28    | 27   | 12  | 12  | 13  | 16   | 15  | 0   | 26   | 28  | 27  |
| Ecuador          |       |      |     |     |     |      |     |     |      |     |     |
| SEGU             | 28    | 22   | 28  | 28  | 26  | 28   | 28  | 28  | 28   | 27  | 27  |
| SELT             | 21    | 25   | 28  | 28  | 27  | 28   | 28  | 28  | 28   | 27  | 28  |
| SEMT             | 28    | 24   | 28  | 28  | 27  | 28   | 28  | 28  | 28   | 27  | 28  |
| SEQU             | 28    | 25   | 28  | 28  | 26  | 28   | 28  | 27  | 28   | 27  | 28  |
| Guayana          |       |      |     |     |     |      |     |     |      |     |     |
| SYCJ             | 28    | 8    | 6   | 2   | 2   | 12   | 7   | 1   | 0    | 0   | 12  |
| Guayana Francesa |       |      |     |     |     |      |     |     |      |     |     |
| SOCA             | 28    | 28   | 27  | 28  | 28  | 26   | 28  | 28  | 28   | 28  | 18  |
| Inglaterra       |       |      |     |     |     |      |     |     |      |     |     |
| EGYP             | 28    |      |     | 27  | 26  | 27   | 28  | 28  | 27   | 23  | 27  |
| Panamá           |       |      |     |     |     |      |     |     |      |     |     |
| MPBO             | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MPCH             | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MPDA             | 21    | 0    | 12  | 13  | 14  | 12   | 14  | 14  | 14   | 14  | 14  |
| MPMG             | 21    | 0    | 12  | 13  | 13  | 12   | 14  | 14  | 14   | 14  | 14  |
| MPTO             | 28    | 0    | 24  | 26  | 26  | 26   | 28  | 28  | 27   | 28  | 28  |
| Paraguay         |       |      |     |     |     |      |     |     |      |     |     |
| SGAS             | 28    | 26   | 28  | 28  | 28  | 28   | 26  | 26  | 28   | 28  | 27  |
| SGES             | 28    | 26   | 28  | 28  | 28  | 28   | 26  | 27  | 28   | 28  | 27  |
| Perú             |       |      |     |     |     |      |     |     |      |     |     |
| SPCL             | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SPGM             | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| SPHI             | 28    | 27   | 28  | 28  | 28  | 27   | 28  | 28  | 28   | 28  | 27  |
| SPHO             | 21    | 16   | 21  | 21  | 21  | 20   | 21  | 21  | 21   | 21  | 21  |
| SPHY             | 14    | 6    | 14  | 14  | 15  | 14   | 14  | 14  | 14   | 14  | 20  |
| SPIM             | 28    | 27   | 28  | 28  | 28  | 28   | 28  | 28  | 28   | 28  | 27  |
| SPJI             | 21    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 1   | 0   |
| SPJL             | 28    | 7    | 18  | 20  | 21  | 17   | 16  | 21  | 20   | 18  | 19  |





| Local                           | Prev. | 2009 |     |     |     | 2010 |     |     | 2011 |     |     |
|---------------------------------|-------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|                                 |       | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| Región CAR                      |       |      |     |     |     |      |     |     |      |     |     |
| El Salvador                     |       |      |     |     |     |      |     |     |      |     |     |
| MSLP                            | 28    | 27   | 27  | 27  | 27  | 28   | 25  | 27  | 28   | 26  | 26  |
| MSSS                            | 28    | 15   | 22  | 21  | 27  | 28   | 25  | 26  | 27   | 26  | 26  |
| Granada                         |       |      |     |     |     |      |     |     |      |     |     |
| TGPY                            | 28    | 8    | 5   | 13  | 15  | 18   | 8   | 17  | 14   | 9   | 10  |
| TGPZ                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| Guatemala                       |       |      |     |     |     |      |     |     |      |     |     |
| MGFL                            | 28    | 0    | 2   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MGGT                            | 28    | 24   | 18  | 22  | 23  | 25   | 22  | 23  | 25   | 25  | 23  |
| MGPB                            | 28    | 24   | 14  | 22  | 24  | 24   | 20  | 22  | 24   | 24  | 24  |
| MGSJ                            | 28    | 24   | 13  | 21  | 24  | 24   | 21  | 23  | 24   | 22  | 24  |
| MGTK                            | 28    | 21   | 11  | 20  | 23  | 24   | 20  | 22  | 22   | 23  | 24  |
| Haití                           |       |      |     |     |     |      |     |     |      |     |     |
| MTCH                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MTPP                            | 28    | 0    | 13  | 11  | 12  | 10   | 10  | 13  | 12   | 12  | 12  |
| Honduras                        |       |      |     |     |     |      |     |     |      |     |     |
| MHLC                            | 28    | 28   | 26  | 26  | 21  | 25   | 18  | 27  | 24   | 21  | 22  |
| MHLM                            | 28    | 28   | 26  | 26  | 21  | 24   | 18  | 27  | 25   | 21  | 22  |
| MHRO                            | 28    | 28   | 25  | 26  | 21  | 25   | 17  | 28  | 22   | 21  | 22  |
| MHTG                            | 28    | 28   | 26  | 26  | 19  | 24   | 17  | 28  | 24   | 21  | 22  |
| Islas Bahamas                   |       |      |     |     |     |      |     |     |      |     |     |
| MYAM                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MYAT                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MYBS                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MYEG                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MYEH                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MYEM                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MYER                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MYGF                            | 28    | 0    | 0   | 0   | 0   | 25   | 20  | 22  | 22   | 20  | 21  |
| MYGW                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MYLS                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MYNN                            | 28    | 23   | 23  | 27  | 27  | 25   | 20  | 21  | 24   | 22  | 21  |
| MYSM                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| Islas Caimán                    |       |      |     |     |     |      |     |     |      |     |     |
| MWCB                            | 28    | 0    | 0   | 0   | 0   | 0    | 16  | 20  | 17   | 10  | 22  |
| MWCR                            | 28    | 0    | 0   | 0   | 0   | 0    | 17  | 22  | 17   | 10  | 22  |
| Islas Turcas y Caicos           |       |      |     |     |     |      |     |     |      |     |     |
| MBGT                            | 28    | 8    | 21  | 27  | 26  | 26   | 19  | 22  | 21   | 20  | 21  |
| MBPV                            | 28    | 8    | 21  | 25  | 25  | 24   | 18  | 20  | 19   | 19  | 17  |
| MBSC                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| Islas Vírgenes (Inglaterra)     |       |      |     |     |     |      |     |     |      |     |     |
| TUPJ                            | 28    | 13   | 13  | 15  | 18  | 13   | 12  | 13  | 12   | 10  | 13  |
| TUPW                            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| Islas Vírgenes (Estados Unidos) |       |      |     |     |     |      |     |     |      |     |     |
| TIST                            | 28    | 21   | 19  | 23  | 23  | 28   | 11  | 28  | 28   | 26  | 25  |
| TISX                            | 28    | 20   | 19  | 23  | 22  | 28   | 13  | 28  | 28   | 27  | 25  |

| Local      | Prev. | 2009 |     |     |     | 2010 |     |     | 2011 |     |     |
|------------|-------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|            |       | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| Región CAR |       |      |     |     |     |      |     |     |      |     |     |
| Jamaica    |       |      |     |     |     |      |     |     |      |     |     |
| MKJP       | 28    | 14   | 21  | 11  | 9   | 10   | 14  | 5   | 0    | 2   | 24  |
| MKJS       | 28    | 17   | 21  | 10  | 9   | 10   | 13  | 4   | 0    | 0   | 7   |
| México     |       |      |     |     |     |      |     |     |      |     |     |
| MMAA       | 28    | 27   | 28  | 26  | 26  | 26   | 28  | 28  | 28   | 27  | 27  |
| MMAN       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 14  |
| MMAS       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 14  | 14   | 14  | 13  |
| MMBT       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 14  | 14   | 13  | 15  |
| MMCB       | 28    |      |     | 0   | 0   | 0    | 0   | 14  | 14   | 13  | 14  |
| MMCC       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MMCE       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 14  | 14   | 13  | 15  |
| MMCL       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 15  |
| MMCM       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 13  |
| MMCN       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 14  | 14   | 13  | 13  |
| MMCP       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 14  | 14  |
| MMCS       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 13  |
| MMCU       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 14  | 15  |
| MMCV       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 15  | 14   | 13  | 15  |
| MMCZ       | 28    | 28   | 28  | 27  | 27  | 27   | 28  | 28  | 28   | 27  | 28  |
| MMDO       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 13  |
| MMEP       | 28    |      |     | 0   | 0   | 0    | 0   | 14  | 14   | 13  | 13  |
| MMGL       | 28    | 28   | 28  | 27  | 27  | 26   | 28  | 28  | 28   | 28  | 26  |
| MMGM       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 13  |
| MMHO       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 13  |
| MMIA       | 28    |      |     | 0   | 0   | 0    | 0   | 14  | 14   | 13  | 17  |
| MMIO       | 28    |      |     | 0   | 0   | 0    | 0   | 12  | 14   | 13  | 12  |
| MMLM       | 28    |      |     | 0   | 0   | 0    | 0   | 14  | 14   | 13  | 14  |
| MMLO       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 13  |
| MMLP       | 28    | 14   | 13  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 13  |
| MMLT       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 14  | 14   | 13  | 13  |
| MMMA       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 12  |
| MMMD       | 28    | 28   | 28  | 27  | 27  | 27   | 28  | 28  | 28   | 27  | 28  |
| MMML       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 13  |
| MMMM       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 13  |
| MMMT       | 28    |      |     | 0   | 0   | 0    | 0   | 14  | 14   | 13  | 15  |
| MMMX       | 28    | 26   | 28  | 26  | 26  | 26   | 28  | 28  | 28   | 27  | 26  |
| MMMY       | 28    | 28   | 28  | 27  | 27  | 28   | 28  | 28  | 28   | 26  | 27  |
| MMMZ       | 28    | 28   | 28  | 27  | 27  | 0    | 0   | 28  | 28   | 27  | 27  |
| MMNG       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MMNL       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 13  |
| MMOX       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 14  | 14   | 13  | 14  |
| MMPA       | 28    |      |     | 0   | 0   | 0    | 0   | 14  | 14   | 13  | 12  |
| MMPB       | 28    |      |     | 0   | 0   | 0    | 0   | 14  | 14   | 13  | 14  |
| MMPG       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 13  | 12   | 13  | 14  |
| MMPN       | 28    |      |     | 0   | 0   | 0    | 0   | 14  | 14   | 14  | 13  |
| MMPR       | 28    | 28   | 28  | 27  | 27  | 0    | 0   | 28  | 28   | 27  | 25  |
| MMPS       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 14  | 14   | 10  | 13  |
| MMQT       | 28    |      |     | 0   | 0   | 0    | 0   | 10  | 14   | 6   | 11  |
| MMRX       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 13  |
| MMSD       | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 13  |
| MMSF       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MMSP       | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 28  | 28   | 27  | 25  |

| Local                    | Prev. | 2009 |     |     |     | 2010 |     |     | 2011 |     |     |
|--------------------------|-------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|                          |       | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| Región CAR               |       |      |     |     |     |      |     |     |      |     |     |
| MMTC                     | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 14  | 14   | 13  | 14  |
| MMTG                     | 28    |      |     | 0   | 0   | 0    | 0   | 14  | 14   | 13  | 14  |
| MMTJ                     | 28    | 28   | 28  | 27  | 27  | 0    | 0   | 27  | 28   | 27  | 26  |
| MMTM                     | 28    | 25   | 28  | 25  | 24  | 0    | 0   | 28  | 22   | 22  | 24  |
| MMTO                     | 28    | 27   | 28  | 26  | 26  | 0    | 0   | 28  | 28   | 27  | 25  |
| MMTP                     | 28    | 28   | 28  | 27  | 27  | 0    | 0   | 28  | 28   | 27  | 27  |
| MMUN                     | 28    | 28   | 28  | 27  | 27  | 27   | 28  | 27  | 28   | 26  | 25  |
| MMVA                     | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 13  | 14   | 13  | 15  |
| MMVR                     | 28    | 27   | 28  | 26  | 26  | 0    | 0   | 25  | 25   | 25  | 23  |
| MMZC                     | 28    | 28   | 28  | 27  | 27  | 0    | 0   | 28  | 28   | 28  | 24  |
| MMZH                     | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 13  | 14   | 8   | 14  |
| MMZO                     | 28    | 14   | 14  | 13  | 14  | 0    | 0   | 13  | 14   | 13  | 8   |
| Montserrat               |       |      |     |     |     |      |     |     |      |     |     |
| TRPG                     | 28    | 13   | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 8   |
| TRPM                     | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| Nicaragua                |       |      |     |     |     |      |     |     |      |     |     |
| MNMG                     | 28    | 27   | 27  | 27  | 27  | 28   | 26  | 28  | 28   | 27  | 28  |
| MNPC                     | 28    | 14   | 14  | 14  | 13  | 14   | 13  | 14  | 14   | 14  | 14  |
| Puerto Rico              |       |      |     |     |     |      |     |     |      |     |     |
| TJBQ                     | 28    | 19   | 18  | 22  | 23  | 28   | 11  | 28  | 28   | 26  | 25  |
| TJFA                     | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| TJMZ                     | 28    | 20   | 18  | 22  | 23  | 28   | 10  | 28  | 28   | 27  | 25  |
| TJNR                     | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| TJPS                     | 28    | 20   | 19  | 22  | 22  | 28   | 13  | 28  | 28   | 26  | 26  |
| TJSJ                     | 28    | 20   | 18  | 22  | 22  | 28   | 15  | 28  | 28   | 27  | 25  |
| TJVQ                     | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| República Dominicana     |       |      |     |     |     |      |     |     |      |     |     |
| MDBH                     | 28    | 7    | 6   | 3   | 5   | 6    | 5   | 7   | 5    | 5   | 0   |
| MDHE                     | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| MDLR                     | 28    | 27   | 26  | 23  | 23  | 25   | 25  | 25  | 24   | 27  | 23  |
| MDPC                     | 28    | 27   | 26  | 23  | 23  | 25   | 24  | 24  | 24   | 27  | 23  |
| MDPP                     | 28    | 27   | 26  | 23  | 23  | 25   | 25  | 25  | 24   | 27  | 22  |
| MDSO                     | 28    | 27   | 26  | 23  | 24  | 25   | 25  | 25  | 24   | 27  | 24  |
| MDST                     | 28    | 27   | 26  | 23  | 24  | 25   | 25  | 25  | 24   | 26  | 23  |
| San Cristóbal y Nieves   |       |      |     |     |     |      |     |     |      |     |     |
| TKPK                     | 28    | 22   | 18  | 22  | 21  | 28   | 12  | 28  | 28   | 28  | 25  |
| TKPN                     | 28    | 0    | 0   | 0   | 0   | 0    | 11  | 12  | 12   | 10  | 12  |
| Santa Lucía              |       |      |     |     |     |      |     |     |      |     |     |
| TLPC                     | 28    | 25   | 22  | 24  | 21  | 19   | 17  | 24  | 24   | 18  | 20  |
| TLPL                     | 28    | 28   | 24  | 26  | 23  | 21   | 20  | 27  | 27   | 22  | 23  |
| San Vicente y Granadinas |       |      |     |     |     |      |     |     |      |     |     |
| TVSB                     | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| TVSC                     | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| TVSM                     | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| TVSU                     | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| TVSV                     | 28    | 11   | 11  | 12  | 14  | 8    | 9   | 13  | 15   | 11  | 13  |
| Trinidad y Tobago        |       |      |     |     |     |      |     |     |      |     |     |
| TTCP                     | 28    | 25   | 24  | 27  | 24  | 28   | 20  | 26  | 25   | 22  | 24  |
| TTTP                     | 28    | 25   | 24  | 27  | 26  | 28   | 20  | 27  | 28   | 23  | 25  |

| Local          | Prev. | 2009 |     |     |     | 2010 |     |     | 2011 |     |     |
|----------------|-------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|                |       | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| Región NAM     |       |      |     |     |     |      |     |     |      |     |     |
| Canadá         |       |      |     |     |     |      |     |     |      |     |     |
| CYMX           | 28    | 28   | 28  | 27  | 28  | 28   | 27  | 28  | 28   | 27  | 28  |
| CYOW           | 28    | 28   | 28  | 27  | 28  | 28   | 27  | 28  | 28   | 27  | 28  |
| CYQG           | 28    | 28   | 28  | 27  | 28  | 28   | 27  | 28  | 28   | 27  | 26  |
| CYQY           | 28    | 28   | 28  | 27  | 28  | 28   | 27  | 28  | 28   | 26  | 28  |
| CYUL           | 28    | 28   | 28  | 27  | 28  | 28   | 27  | 28  | 28   | 27  | 28  |
| CYVR           | 28    | 28   | 28  | 27  | 28  | 28   | 27  | 28  | 28   | 27  | 28  |
| CYYZ           | 28    | 28   | 27  | 27  | 28  | 28   | 27  | 28  | 28   | 27  | 28  |
| Estados Unidos |       |      |     |     |     |      |     |     |      |     |     |
| KATL           | 28    | 11   | 14  | 17  | 22  | 27   | 11  | 0   | 0    | 0   | 3   |
| KBDL           | 28    | 16   | 14  | 15  | 11  | 18   | 9   | 0   | 0    | 0   | 3   |
| KBOS           | 28    | 14   | 14  | 16  | 13  | 18   | 8   | 0   | 0    | 0   | 6   |
| KBWI           | 28    | 12   | 13  | 15  | 13  | 17   | 7   | 0   | 0    | 0   | 9   |
| KCLE           | 28    | 9    | 12  | 15  | 10  | 21   | 10  | 0   | 0    | 0   | 5   |
| KDEN           | 28    | 11   | 12  | 15  | 16  | 21   | 11  | 0   | 0    | 0   | 4   |
| KDFW           | 28    | 13   | 14  | 18  | 19  | 26   | 12  | 0   | 0    | 0   | 5   |
| KDTW           | 28    | 9    | 13  | 15  | 17  | 21   | 9   | 0   | 0    | 0   | 5   |
| KEWR           | 28    | 17   | 14  | 14  | 12  | 19   | 11  | 0   | 0    | 0   | 6   |
| KFAT           | 28    | 11   | 14  | 18  | 12  | 23   | 10  | 0   | 0    | 0   | 14  |
| KFLL           | 28    | 12   | 12  | 16  | 17  | 22   | 9   | 0   | 0    | 0   | 2   |
| KIAD           | 28    | 12   | 10  | 13  | 11  | 16   | 6   | 0   | 0    | 0   | 6   |
| KIAG           | 28    | 13   | 10  | 18  | 15  | 21   | 12  | 0   | 0    | 0   | 5   |
| KIAH           | 28    | 14   | 12  | 15  | 18  | 24   | 13  | 0   | 0    | 0   | 7   |
| KIND           | 28    | 14   | 15  | 15  | 17  | 22   | 11  | 0   | 0    | 0   | 7   |
| KJFK           | 28    | 15   | 13  | 16  | 13  | 20   | 10  | 0   | 0    | 0   | 8   |
| KLAS           | 28    | 11   | 14  | 15  | 15  | 24   | 11  | 0   | 0    | 0   | 5   |
| KLAX           | 28    | 11   | 12  | 16  | 15  | 26   | 8   | 0   | 0    | 0   | 1   |
| KMIA           | 28    | 13   | 14  | 15  | 15  | 20   | 10  | 0   | 0    | 0   | 4   |
| KMKE           | 28    | 13   | 13  | 16  | 18  | 24   | 8   | 0   | 0    | 0   | 6   |
| KMSY           | 28    | 12   | 13  | 15  | 17  | 24   | 11  | 0   | 0    | 0   | 4   |
| KOAK           | 28    | 14   | 10  | 13  | 14  | 22   | 9   | 0   | 0    | 0   | 5   |
| KONT           | 28    | 15   | 16  | 17  | 17  | 23   | 13  | 0   | 0    | 0   | 5   |
| KORD           | 28    | 12   | 13  | 18  | 13  | 24   | 12  | 0   | 0    | 0   | 7   |
| KORL           | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| KPBI           | 28    | 10   | 14  | 19  | 16  | 26   | 9   | 0   | 0    | 0   | 4   |
| KPHL           | 28    | 12   | 12  | 18  | 12  | 17   | 9   | 0   | 0    | 0   | 9   |
| KPHX           | 28    | 18   | 16  | 21  | 16  | 23   | 12  | 0   | 0    | 0   | 0   |
| KPIT           | 28    | 11   | 14  | 15  | 5   | 20   | 5   | 0   | 0    | 0   | 9   |
| KPUB           | 28    | 17   | 14  | 15  | 14  | 25   | 13  | 0   | 0    | 0   | 7   |
| KSAN           | 28    | 12   | 17  | 16  | 17  | 24   | 14  | 0   | 0    | 0   | 6   |
| KSAT           | 28    | 10   | 11  | 15  | 21  | 21   | 10  | 0   | 0    | 0   | 4   |
| KSCK           | 28    | 12   | 15  | 16  | 14  | 23   | 10  | 0   | 0    | 0   | 10  |
| Estados Unidos |       |      |     |     |     |      |     |     |      |     |     |
| KSEA           | 28    | 11   | 14  | 18  | 18  | 24   | 11  | 0   | 0    | 0   | 7   |
| KSFO           | 28    | 14   | 13  | 17  | 10  | 23   | 9   | 0   | 0    | 0   | 5   |
| KTPA           | 28    | 9    | 15  | 16  | 17  | 22   | 13  | 0   | 0    | 0   | 3   |
| KTUS           | 28    | 12   | 13  | 19  | 12  | 23   | 10  | 0   | 0    | 0   | 5   |
| Región NAT     |       |      |     |     |     |      |     |     |      |     |     |
| Bermudas       |       |      |     |     |     |      |     |     |      |     |     |
| TXKF           | 28    | 28   | 27  | 27  | 28  | 27   | 27  | 26  | 27   | 26  | 28  |

| Local           | Prev. | 2009 |     |     |     | 2010 |     |     | 2011 |     |     |
|-----------------|-------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|                 |       | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| Región AFI      |       |      |     |     |     |      |     |     |      |     |     |
| Sudáfrica       |       |      |     |     |     |      |     |     |      |     |     |
| FABL            | 28    | 27   | 27  | 0   | 27  | 27   | 27  | 27  | 18   | 21  | 21  |
| FACT            | 28    | 28   | 28  | 0   | 26  | 28   | 28  | 28  | 28   | 28  | 23  |
| FADN            | 28    | 27   | 28  | 0   | 27  | 28   | 0   | 0   | 0    | 0   | 0   |
| FAGE            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| FAGG            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| FAJS            | 28    | 28   | 28  | 0   | 27  | 28   | 27  | 28  | 28   | 28  | 26  |
| FAME            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| FAMM            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| FAOB            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| FATC            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| FAUP            | 28    | 26   | 23  | 0   | 26  | 27   | 27  | 27  | 23   | 23  | 23  |
| FAWK            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| Angola          |       |      |     |     |     |      |     |     |      |     |     |
| FNLU            | 28    | 17   | 16  | 18  | 17  | 22   | 22  | 18  | 8    | 12  | 26  |
| Botsuana        |       |      |     |     |     |      |     |     |      |     |     |
| FBSK            | 28    | 0    | 27  | 0   | 22  | 285  | 27  | 26  | 2515 |     | 25  |
| Cabo Verde      |       |      |     |     |     |      |     |     |      |     |     |
| GVAC            | 28    | 28   | 28  | 28  | 28  | 28   | 27  | 28  | 28   | 28  | 28  |
| Congo           |       |      |     |     |     |      |     |     |      |     |     |
| FCBB            | 28    | 28   | 28  | 28  | 28  | 27   | 28  | 28  | 28   | 28  | 28  |
| Costa de Marfil |       |      |     |     |     |      |     |     |      |     |     |
| DIAP            | 28    | 28   | 28  | 27  | 26  | 28   | 27  | 28  | 27   | 26  | 27  |
| Gambia          |       |      |     |     |     |      |     |     |      |     |     |
| GBYD            | 28    | 28   | 28  | 27  | 26  | 28   | 28  | 28  | 27   | 28  | 27  |
| Ghana           |       |      |     |     |     |      |     |     |      |     |     |
| DGAA            | 28    | 23   | 21  | 25  | 28  | 27   | 27  | 21  | 23   | 18  | 22  |
| Guinea Bissau   |       |      |     |     |     |      |     |     |      |     |     |
| GGOV            | 28    | 0    | 25  | 26  | 27  | 28   | 28  | 28  | 28   | 28  | 28  |
| Isla Ascensión  |       |      |     |     |     |      |     |     |      |     |     |
| FHAW            | 28    | 25   | 27  | 27  | 27  | 27   | 27  | 28  | 27   | 26  | 25  |
| Islas Canarias  |       |      |     |     |     |      |     |     |      |     |     |
| GCLP            | 28    | 26   | 28  | 27  | 28  | 28   | 28  | 28  | 28   | 28  | 27  |
| GCTS            | 28    | 26   | 28  | 28  | 28  | 28   | 28  | 28  | 28   | 28  | 27  |
| Liberia         |       |      |     |     |     |      |     |     |      |     |     |
| GLRB            | 28    | 0    | 21  | 23  | 6   | 20   | 24  | 13  | 21   | 4   | 20  |
| Marruecos       |       |      |     |     |     |      |     |     |      |     |     |
| GMAA            | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| GMME            | 28    | 24   | 26  | 24  | 27  | 27   | 28  | 25  | 26   | 28  | 27  |
| GMMN            | 28    | 25   | 26  | 28  | 27  | 27   | 26  | 26  | 27   | 28  | 14  |

| Local               | Prev. | 2009 |     |     |     | 2010 |     |     | 2011 |     |     |
|---------------------|-------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|                     |       | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| Mauritania          |       |      |     |     |     |      |     |     |      |     |     |
| GQNN                | 28    | 0    | 26  | 21  | 23  | 28   | 20  | 28  | 27   | 28  | 22  |
| GQPP                | 28    | 26   | 22  | 21  | 24  | 0    | 7   | 27  | 17   | 26  | 6   |
| Namibia             |       |      |     |     |     |      |     |     |      |     |     |
| FYWH                | 28    | 0    | 0   | 0   | 14  | 21   | 12  | 6   | 10   | 16  | 15  |
| Nigeria             |       |      |     |     |     |      |     |     |      |     |     |
| DNKN                | 28    | 19   | 26  | 0   | 18  | 4    | 11  | 14  | 0    | 0   | 23  |
| DNMM                | 28    | 27   | 28  | 27  | 28  | 27   | 20  | 26  | 25   | 28  | 24  |
| República de Guinea |       |      |     |     |     |      |     |     |      |     |     |
| GUCY                | 28    | 25   | 21  | 23  | 25  | 28   | 11  | 10  | 8    | 1   | 4   |
| Senegal             |       |      |     |     |     |      |     |     |      |     |     |
| GOOY                | 28    | 27   | 28  | 27  | 28  | 28   | 28  | 28  | 28   | 28  | 28  |
| Sierra Leona        |       |      |     |     |     |      |     |     |      |     |     |
| GFL                 | 28    | 3    | 9   | 7   | 11  | 4    | 3   | 5   | 2    | 0   | 6   |
| Togo                |       |      |     |     |     |      |     |     |      |     |     |
| DXXX                | 28    | 28   | 27  | 28  | 24  | 28   | 28  | 28  | 27   | 27  | 26  |
| Zaire               |       |      |     |     |     |      |     |     |      |     |     |
| FZAA                | 28    | 27   | 26  | 22  | 22  | 25   | 25  | 25  | 27   | 25  | 27  |
| Región EUR          |       |      |     |     |     |      |     |     |      |     |     |
| Alemania            |       |      |     |     |     |      |     |     |      |     |     |
| EDDF                | 28    | 26   | 28  | 28  | 27  | 28   | 26  | 27  | 28   | 28  | 28  |
| EDDH                | 28    | 26   | 28  | 28  | 27  | 27   | 26  | 27  | 28   | 28  | 27  |
| EDDK                | 28    | 27   | 28  | 28  | 27  | 27   | 25  | 27  | 28   | 28  | 27  |
| EDDL                | 28    | 27   | 28  | 28  | 28  | 28   | 25  | 27  | 28   | 28  | 27  |
| EDDM                | 28    | 26   | 28  | 28  | 27  | 27   | 25  | 27  | 28   | 28  | 27  |
| EDDS                | 28    | 26   | 28  | 28  | 28  | 28   | 28  | 27  | 28   | 28  | 27  |
| ETBS                | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| ETDN                | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 0   |
| Austria             |       |      |     |     |     |      |     |     |      |     |     |
| LOWG                | 28    | 20   | 21  | 21  | 19  | 21   | 21  | 20  | 21   | 21  | 21  |
| LOWW                | 28    | 26   | 28  | 28  | 27  | 28   | 28  | 28  | 28   | 28  | 28  |
| Bélgica             |       |      |     |     |     |      |     |     |      |     |     |
| EBBR                | 28    | 26   | 28  | 27  | 28  | 27   | 27  | 28  | 28   | 28  | 28  |
| Dinamarca           |       |      |     |     |     |      |     |     |      |     |     |
| EKCH                | 28    | 26   | 27  | 27  | 28  | 28   | 28  | 28  | 28   | 27  | 27  |
| España              |       |      |     |     |     |      |     |     |      |     |     |
| LEAL                | 28    | 25   | 28  | 0   | 28  | 27   | 28  | 28  | 28   | 27  | 28  |
| LEBL                | 28    | 26   | 28  | 28  | 28  | 28   | 28  | 28  | 28   | 28  | 28  |
| LEMD                | 28    | 26   | 28  | 28  | 28  | 28   | 28  | 28  | 26   | 28  | 27  |
| LEMG                | 28    | 26   | 28  | 28  | 27  | 28   | 28  | 28  | 27   | 28  | 28  |



| Local              | Prev. | 2009 |     |     |     | 2010 |     |     | 2011 |     |     |
|--------------------|-------|------|-----|-----|-----|------|-----|-----|------|-----|-----|
|                    |       | Mar  | Jun | Sep | Nov | Mar  | Jun | Sep | Mar  | Jun | Sep |
| Región EUR         |       |      |     |     |     |      |     |     |      |     |     |
| República Checa    |       |      |     |     |     |      |     |     |      |     |     |
| LKPR               | 28    | 28   | 28  | 27  | 28  | 28   | 28  | 28  | 28   | 27  | 28  |
| Rusia              |       |      |     |     |     |      |     |     |      |     |     |
| UUEE               | 28    | 26   | 26  | 28  | 27  | 0    | 28  | 28  | 28   | 28  | 28  |
| Eslovaquia         |       |      |     |     |     |      |     |     |      |     |     |
| LZIB               |       | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 2   |
| Suiza              |       |      |     |     |     |      |     |     |      |     |     |
| LSGG               | 28    | 26   | 28  | 28  | 26  | 28   | 27  | 28  | 27   | 26  | 28  |
| LSZH               | 28    | 26   | 28  | 28  | 27  | 28   | 27  | 28  | 27   | 27  | 28  |
| Región ASIA        |       |      |     |     |     |      |     |     |      |     |     |
| Australia          |       |      |     |     |     |      |     |     |      |     |     |
| YSSY               | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 0   | 0    | 0   | 1   |
| Nueva Zelanda      |       |      |     |     |     |      |     |     |      |     |     |
| NZAA               | 28    | 27   | 25  | 27  | 27  | 27   | 17  | 27  | 28   | 15  | 19  |
| NZCH               | 28    | 27   | 25  | 27  | 27  | 27   | 17  | 27  | 28   | 16  | 20  |
| NZWN               | 28    | 27   | 25  | 27  | 27  | 27   | 17  | 0   | 28   | 15  | 20  |
| Región PAC         |       |      |     |     |     |      |     |     |      |     |     |
| Polinesia Francesa |       |      |     |     |     |      |     |     |      |     |     |
| NTAA               | 28    | 27   | 26  | 26  | 27  | 26   | 27  | 26  | 28   | 21  | 26  |
| NTTG               | 28    | 0    | 0   | 0   | 0   | 0    | 0   | 26  | 0    | 0   | 0   |

Note:  The exchange not foreseen in this TAF period.