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Migration – types of radio-sonde in use

*Submitted by Secretariat*

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**Summary and Purpose of Document**

Background information on the types of radio-sonde system recorded in the WMO Catalogue of Radiosondes and Upper-Air Wind systems.

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**DISCUSSIONS**

The WMO Catalogue of Radiosonde and Upper-air Wind Systems is intended to record the types of radiosonde system that are used in operational upper air reports. The following tables are extracted from that catalogue.

**Radiosonde types recorded as “not removed” in the WMO catalogue of radiosondes and upper air wind systems.**

Note: this table is extracted from the online catalogue of radiosondes and upper air wind systems.

| **Sonde type** | **Number** |
| --- | --- |
| ?DFM-06 | 1 |
| ?RS92/DC3|G | 2 |
| DFM6|G | 4 |
| DFM9|G | 21 |
| GTS1|R | 71 |
| GTS1-1|R | 7 |
| GTS1-2|R | 10 |
| iMet2AA|G | 6 |
| LMS6|G | 8 |
| LMS6GW|G | 6 |
| M10|G | 23 |
| M2K2DC|G | 25 |
| Mess msg? | 18 |
| MRKIIAP|G | 55 |
| MRS01|G | 15 |
| MRS06|G | 5 |
| MRZ\*/AVK|R | 44 |
| MRZ\*/MARL|R | 54 |
| MRZ\*/VEK|R | 28 |
| PAZA12M/UL|R | 5 |
| PAZA22/AVK|R | 3 |
| Pilot|? | 119 |
| Pilot|O | 1 |
| pNIL | 2 |
| RS11G|G | 1 |
| RS80/DC|G | 1 |
| RS90/DC|N | 3 |
| RS90/DC|T | 2 |
| RS92/A|G | 49 |
| RS92/DC|G | 55 |
| RS92/DC3|? | 1 |
| RS92/DC3|G | 197 |
| RS92/DC3|L | 4 |
| RS92/DC3|R | 19 |
| RS92D|T | 6 |
| RS92NGP|G | 25 |
| RSG20A|G | 1 |
| RSG20A|L | 1 |
| silent2013 | 481 |
| SRS|G | 1 |
| Temp|? | 30 |
| Temp|G | 15 |
| Temp|N | 1 |
| Temp|T | 2 |
| tNIL | 39 |
| unk|G | 2 |
| unk|T | 1 |
| VIZB2|T | 6 |
| VIZII|G | 1 |
| VIZII|T | 1 |

**Radiosonde types as defined in the WMO catalogue of radiosonde and upper air wind systems.**

The following table is the look-up table in the WMO catalogue of radiosonde and upper air wind systems that is intended to be cross-referenced to the entries in the catalogue.

| **Radiosonde/sounding system used rara** | **Mnemonincs** |
| --- | --- |
| Sippican LMS5 w/Chip Thermistor, duct mounted capacitance relative humidity sensor and derived pressure from GPS height | **LMS5** |
| Sippican LMS6 w/Chip Thermistor, external boom mounted capacitance relative humidity sensor, and derived pressure from GPS height | **LMS6** |
| Vaisala RS92/DigiCORA MW41 (Finland) | **RS92/MW41** |
| Graw DFM-09 (Germany) | **DFM9** |
| Graw DFM-06 (Germany) | **DFM6** |
| Indian Meteorological Service MK3 (India) | **IMK4** (IMD MK-IV - code figures outdated) |
| VIZ/Jin Yang MARK I MICROSONDE (Republic of Korea) | **1524LA or RSG20A** (JinYANG RS-1524L or RSG-20A - code figures outdated) |
| Meisei RS-11G GPS radiosonde w/thermistor, capacitance relative humidity sensor, and derived pressure from GPS height (Japan) | **RS11G** |
| Meteolabor Basora (Switzerland) | **SRS** (SRS-C34) |
| AVK-MRZ (Russian Federation) | **MRZ\*** |
| AVK-AK2-02(Russian Federation) | **MRZ\*** |
| MARL-A or Vektor-M-AK2-02(Russian Federation) | **MRZ\*** |
| Meisei RS-06G (Japan) | **MRS06** |
| Taiyuan GTS1-1/GFE(L) (China ) | **GTS1-1** |
| Shanghai GTS1/GFE(L) (China) | **GTS1** |
| Nanjing GTS1-2/GFE(L) (China) | **GTS1-2** |
| Meisei RS2-91 (Japan) | **MRS91** |
| VIZ MARK II (USA) | **VIZII** |
| VIZ-B2 (USA) | **VIZB2** |
| Vaisala RS92-NGP/Intermet IMS-2000 (USA) | **RS92NGP** |
| Meisei RS-01G (Japan) | **MRS01** |
| M2K2 (France) | **M2K2** |
| Modem M2K2-DC (France) | **M2K2DC** |
| AVK-BAR (Russian Federation) | **MRZ\*** |
| Vaisala RS80/Loran/Digicora I, II or Marwin (Finland) | **RS80/DC** |
| Vaisala RS80/Digicora III (Finland) | **RS80/DC3** |
| AVK-RZM-2 (Russian Federation) | **MRZ\*** |
| MARL-A or Vektor-M-RZM-2 (Russian Federation) | **MRZ\*** |
| Vaisala RS90/Loran/Digicora I, II or Marwin (Finland) | **RS90/DC** |
| AVK-MRZ-ARMA (Russian Federation) | **MRZ\*** |
| AVK-RF95-ARMA (Russian Federation) | **AVK-ARMA(VHF)** |
| Modem GPSonde M10 (France) | **M10** |
| Vaisala RS90/Digicora III (Finland) | **RS90/DC** |
| Vaisala RS92/Digicora I,II or MARWIN (Finland) | **RS92/DC** |
| Vaisala RS92/Digicora III (Finland) | **RS92/DC3** |
| Vaisala RS92/Autosonde (Finland) | **RS92/A** |
| Lockheed Martin LMS-6 w/chip thermistor; external boom mounted polymer capacitive relative humidity sensor; capacitive pressure sensor and GPS wind | **LMS6GW** |
| Vaisala RS92-D/Intermet IMS 1500 w/silicon capacitive pressure sensor, capacitive wire temperature sensor, twin thin-film heated polymer capacitive RH sensor and RDF wind | **RS92D** |
| Sippican MARK IIA with chip thermistor, carbon element and derived pressure from GPS height | **MRKIIA** |
| Sippican MARK IIA with chip thermistor, pressure and carbon element | **MRKIIAP** |
| MARL-A or Vektor-M-MRZ (Russian Federation) | **MRZ\*** |
| MARL-A or Vektor-M-BAR (Russian Federation) | **MRZ\*** |
| Radiosonde not specified or unknown | **Unk** |
| BAT-16G (South Africa) | **BAT16G** |
| BAT-4G (South Africa) | **iMet2AA** (iMet-2AA - code figures outdated!!!) |
| No information | **TEMP or PILOT** |
| no messages | **silent2013** |
| only TEMP NIL | **tNIL** |
| only PILOT NIL | **pNIL** |
| Mess message | **Mess msg** |
| Likiley mess message | **Mess msg?**  |