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| **DOSSIER** | | |
| **Date***(dd/mm/yyyy)* **: 21/03/2014** | | **Call ID: 483** |
| **URF:** *⇨ Please Attach URF file, received from ODO* | | |
|  | | |
| **ECO on-duty** | | |
| **Name** | Seiki Matsuoka | |
| **Agency** | JAXA | |
| **Phone** | +81-90-3687-9171 | |
| **Fax** | +81-49-298-1001 | |
| **Mail** | z-charter\_eco@eoc.jaxa.jp | |
|  | | |
| **AU** | | |
| **Name / Organization** | Brazilian Disaster and RISC Management National Centre (CENAD) | |
| **Address** | Ministério da Integração Nacional Secretaria Nacional de Defesa Civil  Esplanada dos Ministérios - Bloco "E" 7º andar - sala 766  70067-901 Brasília, DF – Brasil | |
| **Phone** | +55 61 3214-0600 / Celluar +55 61 9694-7647 | |
| **Fax** | +55 61 3214-0600 | |
| **Mail** | Marcus.santos@integracao.gov.br | |
|  | | |
| **EU** | | |
| **Name / Organization** | Brazilian Disaster and RISC Management National Centre (CENAD) | |
| **Address** | Ministério da Integração Nacional Secretaria Nacional de Defesa Civil  Esplanada dos Ministérios - Bloco "E" 7º andar - sala 766  70067-901 Brasília, DF – Brasil | |
| **Phone** | +55 61 3214-0600 / Celluar +55 61 9694-7647 | |
| **Fax** | +55 61 3214-0600 | |
| **Mail** | Marcus.santos@integracao.gov.br | |
|  | | |
| **Emergency type** | | |
| 🞎 Earthquake ⌧ Flood 🞎 Ice 🞎 Storm / Hurricane  🞎 Fires 🞎 Industrial danger 🞎 Landslide 🞎 Volcano  🞎 Other: | | |

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| **Area details** | |
| **Area Name / Country** | North Region of Brazil |
| **Map of interest:** | |
| **General Information on the event:**    The Madeira River, which runs through Porto Velho, Rondônia in western Brazil, has reached a record water level of 18.73 meters and is still climbing today. The flooding has almost completely isolated the area in the upper Amazon River basin, as the BR-364 highway, the only land-link with the rest of the country, had to be closed on Monday and very few vehicles are able to make their way through the rising water.  More than 2,000 families are currently affected by the flooding and 43 shelters in Porto Velho and other districts have been opened to those in need. In the areas of San Carlos and Nazareth, all residents had to evacuate their homes. The National Secretariat for Civil Protection and Defense sent 500 tents with ten person capacities to Rondônia, which will be installed in the middle and lower [Madeira region](http://riotimesonline.com/brazil-news/rio-politics/new-dams-planned-for-heart-of-amazon/), according to Colonel Farias.  **http://riotimesonline.com/brazil-news/rio-politics/national-politics/flooding-in-amazon-basin-isolates-rondonia-state/?utm\_source=feedburner&utm\_medium=feed&utm\_campaign=Feed%3A+TheRioTimes+%28The+Rio+Times%29#** | |
| **Information and preferences provided by Requester:**  It is occurring a gradual flooding, which started on February 15th, 2014, reaching its highest level on March 19th, 2014.  The cities located at lower part of Amazon River basin, more specifically located at the river Madeira basin, are being affected by a gradual flooding, which started on February 2014. The rivers levels are increasing day after day, and the water has already covered many residential and production areas in these cities, and also has covered some parts of BR-364, highway that is the main access by land from Porto Velho to Rio Branco, capitals of Rondonia and Acre States respectively. | |

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| **Acquisition & Archives Plan** | | |
| **Agency** | **Satellites** | **Program / Archive** |
| ⌧ CNES  🞎 ESA  ⌧ CSA  🞎 ISRO  ⌧ ISRO  🞎 CONAE  🞎 NOAA  ⌧ USGS  🞎 DMCii  🞎 JAXA  🞎 CNSA & INPE  ⌧ CNSA  ⌧ DLR  🞎 KARI  🞎 ROSCOSMOS  🞎 ROSCOSMOS | 🞎 PLEIADES ⌧ SPOT5 🞎 SPOT4\*  🞎 ENVISAT\* 🞎 ERS2\*  ⌧ RADARSAT  🞎 IRS-P5 🞎 Resourcesat-2 🞎Oceansat-2  🞎 IRSP6 \* 🞎Cartosat-2 ⌧ Risat-2 🞎 IMS-1  🞎 SAC-C\*  🞎 POES 🞎 GOES  ⌧ LANDSAT ⌧ VHR Commercial  🞎 DMC MRI 🞎 DMC VHRI  🞎 ALOS\* 🞎 KIBO HDTV-EF  🞎 CBERS\*  ⌧ SJ-9A  ⌧ TerraSAR-X/TanDEM-X  🞎 KOMPSAT-2  🞎 Meteor-M 🞎 Kanopus-V 🞎 Resurs-P  🞎 Resurs-DK\* | ⌧ Pr. ⌧ Ar.  🗷 Pr. 🞎 Ar.  ⌧ Pr. ⌧ Ar.  🞎 Pr. 🞎 Ar.  ⌧ Pr. ⌧ Ar.  🞎 Pr. 🞎 Ar.  🞎 Pr. 🞎 Ar.  ⌧ Pr. ⌧ Ar.  🞎 Pr. 🞎 Ar.  🞎 Pr. 🞎 Ar.  🗷Pr. 🞎 Ar.  🞎 Pr. 🞎 Ar.  🞎 Pr. 🞎 Ar. 🞎 Pr. 🞎 Ar.  🞎 Pr. 🞎 Ar.  🗷 Pr. 🞎 Ar. |
| **ERF:**  *⇨ Please attach all the ERF files sent as well as an event log prepared by the ECO along with a summary of any difficulties encountered* | | |

\*Only archive images are available

EUMETSAT data of Meteosat and Metop satellites do not need to be tasked by ECO. For relevant scenarios EUMETSAT will provide imagery to the PM in support of a Call. PMs may request additional data from EUMETSAT as needed.

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| **E**MERGENCY **R**EQUEST **F**ORM FOR **PLEIADES** DATA (specific part)  International Charter on Space and Major Disasters | | | | | |
| **Requested image location details (KMZ and SHAPE files are also accepted)** | | | | | |
| Area Name / Country : | | | | | |
| 🞏 KMZ or Shape file attached  Surface of the AOI must cover a minimum  of 100 square/km to a maximum of 400 square/km  (agreement to be confirmed by CNES in case of larger areas). | | | | | |
| 🞏 Coordinates of image center point for the highest priority area (ONLY in Degrees, Minutes, seconds)  (Or Upper Left and Low Right coordinates)  Latitude : .... ° .... ’ ...” N / S  **Size (lenght \* width km)**  Longitude : .... ° .... ’ ...” E / W  **Size : ...... (between 10\*10km and 20\*20 km)**  Coordinates of image center point for another area (agreement to be confirmed by CNES)  (Or Upper Left and Low Right coordinates)  Latitude : .... ° .... ’ ....” N / S  Longitude : .... ° .... ’ ....” E / W  **Size : ...... (between 10\*10km and 20\*20 km)** | | | | | |
| **New acquisition request (\*):** | | | | |  |
|  | | | | |  |
| 🞏 First acquisition date : . . / . . / . . . . (dd/mm/yy)  or 🞏 As soon as possible | | | | | |  | | --- | | N.B. : the programming on this area  will be activated for one week nominally | |
| **Requested image(s) :** 🞏 0.5m Panchromatic 🞏 0.5m Multispectral 🞏 2m Multispectral | | | | | |
| **Pre-processing level :** | | 🞏 Primary : radiometric corrections, at system level  🞏 Ortho (SRTM standard) | | | |
| **Archive data request (\*):** | | | | |  |
| 🞏 archive search requested **OR** 🞏 image ID ( Pléiades image ID)……………………………..  To be selected in [**https://geostore.astrium-geo.com/common/**](https://geostore.astrium-geo.com/common/) | | | | | |
|  | | | |  | |
| Pre-processing level : | | 🞏 primary or 🞏 ortho (SRTM standard) | | | |
| **Additional information / instructions :** | | | | | |
| **(\*) CAUTION** : a maximum of 2 images in total (for example one archive plus one new acquisition) shall be ordered by the ECO, on the same area (If more images or extension of the target area, or extension of the programming period are needed, an agreement must be requested to CNES ([charte.risques@cnes.fr](mailto:charte.risques@cnes.fr)) with copy to ASTRIUM GEO Information ([charter.disasters@spotimage.fr](mailto:charter.disaster@spotimage.fr)). | | | | | |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **E**MERGENCY **R**EQUEST **F**ORM FOR **SPOT** DATA (specific part)  International Charter on Space and Major Disasters | | | | | | | |
| **Requested image location details: ONLY center point can be accepted** | | | | | | | |
| Area Name / Country :  North Region Porto Velho  / Brazil | | Coordinates of image center point for the highest priority area : (ONLY in Degrees, Minutes, seconds)  Latitude : **...8° ..46 ’ .13” S**  **60\*60 km**  Longitude : **...63° ..54 ’ .21” W**    Coordinates of image center point for another area (agreement to be confirmed by CNES)  Latitude : **.... ° .... ’ ...” N / S**  Longitude : **.... ° .... ’ ...” E / W** | | | | | |
| **New acquisition request (\*):** | | | | | | |  |
|  | | | | | | |  |
| 🞏 First acquisition date : . . / . . / . . . . (dd/mm/yy)  or **X** As soon as possible | | | | | | | |  | | --- | | N.B. : the programming on this area  will be activated for one week nominally | |
| **Requested image(s) :** | | | | | | | |
| 🞏 10m  **X** 5m -2.5m | | | | | | **X** Panchro (Black and White)  **X** Multispectral (Colour) | |
| **Pre-processing level :** | | | 🞏 1A : radiometric corrections, at system level  🞏 1B : radiometric and geometric corrections, at system level  🞏 2A : images are rectified to match a standard map projection (UTM WGS  84), using a global DEM but without using ground control points | | | | |
| **Archive data request (\*):** | | | | | | |  |
| **X** archive search requested **OR** 🞏 image ID ( SPOT image ID)……………………………..  To be selected in [**https://geostore.astrium-geo.com/common**](https://geostore.astrium-geo.com/common/)**/** | | | | | | | |
|  | | | | |  | | |
| Pre-processing level : | | | 🞏 1A or 🞏 1B or 🞏 2A | | | | |
| **Additional information / instructions :**  **SPOT5 Acquisition : covering Center Point n°1 defined in ERF common part**   1. **Archive :**  * **Most recent archive available with same season** * **ensuring that the archive scene does not show a previous flood event** * **multispectral and panchromatic data, delivered separately.** | | | | | | | |
| **(\*) CAUTION**: a maximum of 2 images in total (for example one archive plus one new acquisition) shall be ordered by the ECO, on the same area (If more images or extension of the target area, or extension of the programming period are needed, an agreement must be requested to CNES ([charte.risques@cnes.fr](mailto:charte.risques@cnes.fr)) with copy to ASTRIUM GEO Information ([charter.disasters@spotimage.fr](mailto:charter.disaster@spotimage.fr)). | | | | | | | |

## 1. Guidelines for Indian Remote sensing Satellite (IRS) Data request

Indian Space Research Organisation (ISRO)/ National Remote Sensing Centre (NRSC)

International Charter on Space and Major Disasters

**Requirements for IRS Data ordering:**

* Desktop PC, running on Windows
* Email/Internet
* IRS Data request form
* New data acquisition planning for IRS will be done by NRSC based on the ECO request.
* The user’s needs to establish access to NRSC website **www.n****rsc.gov.in** having the Archives of the Data through a user ID and a Pass word
* Please send IRS data request to NDC/NRSC, Hyderabad, on the following contacts:

Email: [charternrsc@nrsc.gov.in](mailto:charternrsc@nrsc.gov.in)

Phone: +91-40-2388 4423/4425/4461/4597/4598,

Mobile : 9440396444-Dr. Aparna / 9885807113- Dr. Nagaraja

## 2. Emergency Request Form for IRS Satellite

**Call ID: 483 Event: Flood in Brazil**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.No** | **Temporal Data** | **Spatial Resolution**  **( M. Meters)** | **Spectral Resolution** | | **Period On Interest** | **Remarks** |
| **01** | Archived | ≤ 01M  02M – 25M  >25M | Microwave:  Multispectral:  Panchromatic: | |  |  |
| **02** | Future | ≤ 01M  02M – 25M  >25M | Microwave:  Multispectral:  Panchromatic: | |  |  |
| **03** | Product Format | Standard, Level 2, WGS84 Datum, UTM Projections, GEOTIFF. | | | |  |
| **04** | Data Delivery through FTP | FTP details Username & Password will be informed separately | | | |  |
| **05** | Approved by  ( Internal Use) | Name : | |  | |  |
| Signature: | |  | |  |
| Date : | |  | |  |

**TerraSAR-X/TanDEM-X EMERGENCY REQUEST FORM (specific part)**

**International Charter ‘Space and Major Disasters’**

**Call\_ID #: \_\_\_483\_\_\_**

|  |
| --- |
| **Date / Time received at DLR: DLR On-Call:**  *DLR internal use only* |

**Number of acquisitions requested:** New: **\_\_\_2\_\_\_** Archive: **\_\_\_2\_\_\_** (max. 4 scenes in total\*)

*\* maximum number of scenes depends on remaining total data volume*

|  |  |  |
| --- | --- | --- |
| **Image Mode** | **Scene Size\*\*** | **Azimuth Resolution\*\*\*** |
| **Kilometres** | **Metres** |
| **Wide ScanSAR** | up to 270 x 200 | 40 |
| **ScanSAR** | 100 x 150 | 18.5 |
| **Stripmap** | 30 x 50 | 3 |
| **Spotlight** | 10 x 10 | 2 |
| **High Resolution Spotlight** | up to 10 x 5 | 1 |

*\*\* nominal scene size in width x length*

*\*\*\* for single polarization acquisitions*

|  |
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| **Additional information:**  The DLR data manager will select the appropriate ordering options based on in-house expertise and taking the activation scenarios into account.  All products will be delivered radiometrically enhanced, in UTM projection and in GeoTIFF format, unless specified otherwise. |

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| **Comments:**   1. **2 new Acquisitions, covering center points defined in URF and ERF general, if possible 3 points within 2 new Acquisitions.** 2. **Corresponding Archive :**  * **Most recent available and within same season** * **with the same characteristics as the new acquisition**   **ensuring that the archive scene does not show a previous flood event** |

|  |  |  |
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| **Approved by DLR:** |  | **Date / Time:** |
| **Comments:** |  | |
| *DLR internal use only* | | |

**RADARSAT EMERGENCY REQUEST FORM (Specific part)**

**International Charter Space and Major Disasters**

**Call\_ID #: \_483\_**

|  |  |  |
| --- | --- | --- |
| **DATE/Time received at CSA:** | **CSA:** | **CSA On-Call:** |
|  |  | |
| *CSA Internal Use Only* **Order ID #:** | | |

**Number of Frames Requested:** New (NRT): **\_3\_** Archives: **\_\_\_2\_\_\_** (Max.: 5 Image Frames)

|  |  |  |  |
| --- | --- | --- | --- |
|  | **Available Beams** | **Scene Size** | **Resolution** |
| **(km)** | **(m)** |
| **Coarse Resolution** | **ScanSAR Wide** | 500 \* 500 | 100 |
| **ScanSAR Narrow** | 300 \* 300 | 60 |
| **Medium Resolution** | **Wide** | 150 \* 150 | 25 |
| **Standard** | 100 \* 100 | 25 |
| **Fine Resolution** | **Fine** | 50 \* 50 | 8 |
| **Wide Fine** | 170 \* 150 | 8 |
| **Multi Look Fine** | 50 \* 50 | 8 |
| **Wide Multi Look Fine** | 90 \* 50 | 8 |
| **Very Fine Resolution** | **Ultra Fine** | 20 \* 20 | 3 |
| **Wide Ultra Fine** | 50 \* 50 | 3 |
| **Spotlight** | 18 \* 8 | 1 |

**\* Please specify multiple beam coverage or specific beam requirements in the comment sections.**

|  |
| --- |
| **Data Format:** RADARSAT-2: **GeoTIFF**  RADARSAT-1 (archive only): **GeoTIFF and / or CEOS** |

|  |  |  |
| --- | --- | --- |
| **Comments:**   1. **3 new Acquisitions, covering center points defined in URF and ERF general.** 2. **Archive :**  * **Most recent available and within same season** * **with the same characteristics as the new acquisition** * **ensuring that the archive scene does not show a previous flood event** | | |
| **Approved by CSA:** |  | **Date / Time:** |
| **Comments:** |  | |
| *CSA Internal Use Only* | | |

**CNSA EMERGENCY REQUEST FORM (specific part)**

**International Charter Space and Major Disasters**

**Call\_ID #: \_\_483\_\_**

|  |  |
| --- | --- |
| **Date/Time received at CRESDA** |  |
| **CRESDA On-Call**  *(CRESDA Internal Use Only)* |  |

|  |
| --- |
| **CBERS Data: (Archive only)** |
| (MM/DD/YYYY) From:  / / To: / / |

|  |  |
| --- | --- |
| **SJ-9A Data:** | |
| **New acquisition request:** | |
| **Product Level** | Level 2 |
| **Product Type** | Bundle(2.5m Pan+10m Multi)  Panchromatic(2.5m)  Multispectral (10m) |
| **Period of validity**  **(MM/DD/YYYY)** | 03/ 22/2014~ 04/ 04/2014 |
| **Archive data request :** | |
| Archive search requested | |

|  |  |
| --- | --- |
| **Delivery Details (For FTP delivery only)** | |
| **FTP address** | Charter FTP |
| Other FTP address:  User:  Password: |
| **Special Instructions** |  |

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| --- | --- | --- | --- |
| **Approved by CRESDA** |  | **Date / Time** |  |
| **Comments** |  | | |

**USGS Data Request Form**

* **Landsat Image Request**

**New Tasking:** ⌧ **Yes** 🞏 **No**

|  |  |  |  |
| --- | --- | --- | --- |
| **SATELLITE**  ***(if known)*** | **PATH**  ***(if known)*** | **ROW**  ***(if known)*** | **ACQUISITION DATE**  ***(if known)*** |
|  |  |  |  |
|  |  |  |  |
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*Landsat acquisition and schedule information available at:* [*http://landsat.usgs.gov/tools\_acq.php*](http://landsat.usgs.gov/tools_acq.php)

**Archive Request:** ⌧ **Yes** 🞏 **No**

*If “Yes” is selected, then USGS will search, select, and deliver appropriate imagery. Full Landsat archive search and direct download also available at:* [*http://glovis.usgs.gov*](http://glovis.usgs.gov)

* **Very High-Resolution (VHR) Image Request**

**New Tasking:** ⌧ **Yes** 🞏 **No**

**Archive Request:** ⌧ **Yes** 🞏 **No**

**Band Preference:** 🞏 **Panchromatic (default)**

🞏 **Multispectral\*\***

⌧ **Panchromatic + Multispectral\*\***

*\* NOTE: Multispectral imagery may be more difficult to acquire*

**Additional remarks:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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***Please send Common ERF along with USGS Request Form to:*** ***charter\_data@usgs.gov***