Procedure - Using the Catalog Service for the Web (CSW) Interface

References

[1.7.1 Can I access EODMS using an API](#)

Anonymous Access

URL: [https://www.eodms-sgdot.nrcan-rncan.gc.ca:443/MetaManagerCSW/csw/eodms_catalog?request=GetRecords&service=CSW](#)

POST with Header:

```
<csw:GetRecords service='CSW' version='2.0.2'
  maxRecords='10'
  startPosition='1'
  resultType='results'
  outputFormat='application/xml'
  outputSchema='http://www.opengis.net/cat/csw/2.0.2'
  xmlns='http://www.opengis.net/cat/csw/2.0.2'
  xmlns:csw='http://www.opengis.net/cat/csw/2.0.2'
  xmlns:ogc='http://www.opengis.net/ogc'
  xmlns:ows='http://www.opengis.net/ows'
  xmlns:dc='http://purl.org/dc/elements/1.1/'
  xmlns:dct='http://purl.org/dc/terms/'
  xmlns:gml='http://www.opengis.net/gml'
  xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance'
  xsi:schemaLocation='http://www.opengis.net/cat/csw/2.0.2
  http://schemas.opengis.net/csw/2.0.2/CSW-discovery.xsd'>
<csw:Query typeNames='csw:Record'>
  <csw:ElementSetName typeNames='csw:Record'>summary</csw:ElementSetName>
</csw:Query>
</csw:GetRecords>
```

HTTP Response

```
<?xml version="1.0" encoding="UTF-8"?>
<GetRecordsResponse xmlns="http://www.opengis.net/cat/csw/2.0.2"><SearchStatus
timestamp="2018-08-28T01:59:38-04:00"/><SearchResults numberOfRecordsMatched="1949485"
numberOfRecordsReturned="10" nextRecord="11"><csw:SummaryRecord
xmlns:csw="http://www.opengis.net/cat/csw/2.0.2" xmlns:ows="http://www.opengis.net/ows"
xmlns:dct="http://purl.org/dc/terms/"
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Imaging,Radar, Digital Collection, Mapping, Spatial Data, Remote
Sensing</dc:subject><dc:subject>F1</dc:subject><dc:format>GeoTIFF</dc:format><dct:abstra
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60.108411</ows:UpperCorner></ows:BoundingBox></csw:SummaryRecord></SearchResults></GetRe
cordsResponse>
```

Authenticated Access

URL: https://www.eodms-sgdot.nrcan-
rncan.gc.ca/MetaManagerCSW/csw/Radarsat2?request=GetRecords&service=CSW

POST Request

```
<soapenv:Envelope xmlns:soapenv="http://schemas.xmlsoap.org/soap/envelope/">
<soapenv:Header>
<wsse:Security soapenv:mustUnderstand="1" xmlns:wsse="http://docs.oasisopen.
org/wss/2004/01/oasis-200401-wss-wssecurity-secext-1.0.xsd">
<wsse:UsernameToken xmlns:wsu="http://docs.oasis-open.org/wss/2004/01/
oasis-200401-wss-wssecurity-utility-1.0.xsd">
<wsse:Username>joeguv</wsse:Username>
<wsse:Password Type="http://docs.oasis-open.org/wss/2004/01/oasis-
200401-wss-username-token-profile-1.0">###############</wsse:Password>
</wsse:UsernameToken>
</wsse:Security>
</soapenv:Header>
<soapenv:Body>
<csw:GetRecords service='CSW' version='2.0.2'
maxRecords='10'
startPosition='1'
resultType='results'
outputFormat='application/xml'
outputSchema='http://www.isotc211.org/2005/gmd'
xmlns='http://www.opengis.net/cat/csw/2.0.2'
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xmlns:ogc='http://www.opengis.net/ogc'
xmlns:ows='http://www.opengis.net/ows'
xmlns:gmd='http://www.isotc211.org/2005/gmd'
xmlns:apiso='http://www.opengis.net/cat/csw/apiso/1.0'
xmlns:dc='http://purl.org/dc/elements/1.1/'
xmlns:dct='http://purl.org/dc/terms/'
xmlns:gml='http://www.opengis.net/gml'
xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance'
xsi:schemaLocation='http://www.opengis.net/cat/csw/2.0.2
http://schemas.opengis.net/csw/2.0.2/CSW-discovery.xsd'>
<csw:Query typeNames='gmd:MD_Metadata'>
<csw:ElementSetName typeNames='gmd:MD_Metadata'>full</csw:ElementSetName>
```

```
</csw:Query>
</csw:GetRecords>
</soapenv:Body>
</soapenv:Envelope>
```

Response:

```
<soap:Envelope xmlns:soap="http://www.w3.org/2003/05/soap-envelope"
soap:encodingStyle="http://www.w3.org/2003/05/soap-encoding"><soap:Header/><soap:Body>
<GetRecordsResponse xmlns="http://www.opengis.net/cat/csw/2.0.2"><SearchStatus
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numberOfRecordsReturned="10" nextRecord="11"><gmd:MD_Metadata
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tifier><gmd:language><gco:CharacterString
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CAN</gco:CharacterString></gmd:language><gmd:characterSet><gmd:MD_CharacterSetCode
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Observation</gco:CharacterString><gmd:PT_FreeText><gmd:textGroup><gmd:LocalisedCharacter
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Secteur des sciences de la Terre; Centre canadien de cartographie et d'observation de la
Terre</gmd:LocalisedCharacterString></gmd:textGroup></gmd:PT_FreeText></gmd:organisation
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/gmd:electronicMailAddress></gmd:CI_Address></gmd:address></gmd:CI_Contact></gmd:contact
Info><gmd:role><gmd:CI_RoleCode
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```

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Geographic information - Metadata (NAP-
Metadata)</gco:CharacterString></gmd:metadataStandardName><gmd:metadataStandardVersion><
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xmlns:gco="http://www.isotc211.org/2005/gco">The RADARSAT program was born out the need
for effective monitoring of Canada's waters for such purposes as ship detection, oil
spill monitoring, and wind and surface-wave field estimation. . Canada is a world leader
in the operational use of space radar for sea ice monitoring. Some RADARSAT-2
capabilities that benefit sea- and river-ice applications are the multi-polarization
options that improve ice-edge detection, ice-type discrimination, and ice topography and
structure information.The satellite was funded by the Canadian Space
Agency.</gco:CharacterString><gmd:PT_FreeText><gmd:textGroup><gmd:LocalisedCharacterStri
ng locale="#locale_fra_CAN">Cet enregistrement représente une simple systématiquement
géoréférencées Radarsat-2 Synthetic Aperture Radar (SAR) de la scène par satellite. Il
n'est pas géométriquement améliorée en utilisant des points de contrôle au sol, mais il
est géométriquement corrigée en utilisant les paramètres du capteur. La fréquence
d'imagerie est la bande C SAR: 5405.0000 MHz. RADARSAT-2 est dans une orbite polaire
héliosynchrone avec une période d'environ 101 minutes.The RADARSAT-2 en orbite sera
maintenue à + \ / - 1 km en direction de la piste à travers. Le maintien de l'orbite est
approprié pour la collecte de données InSAR. La précision de géo-localisation des

produits RADARSAT-2 varie selon le type de produit. Il est actuellement estimé à + \ / - 30 m pour les produits de faisceau standard. Cette précision sera disponible au moment de la liaison descendante. La période de revisite de RADARSAT-2 dépend du mode de faisceau, l'angle d'incidence et l'emplacement géographique de la zone d'intérêt. En g</gmd:LocalisedCharacterString></gmd:textGroup></gmd:PT_FreeText></gmd:abstract><gmd:purpose><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">As the second largest country in the world, with a variety of landscapes and climatic conditions, Canada recognized the practical and economic benefits of using space for Earth observation early on. With global environmental monitoring and protection being a worldwide concern, Earth observation is a key priority of the Canadian Space Program, and Radarsat-1 was developed as Canada's flagship to pursue this priority. RADARSAT-2 has proven to be an invaluable source of Earth observation data. The satellite's images are used internationally to manage and monitor the Earth's resources and to monitor global climate change, as well as in many other commercial and scientific applications. RADARSAT-2 is ideally suited to supporting these tasks because of its wide range of beams, SAR technology, frequent revisit period, high-quality products and fast, efficient delivery.</gco:CharacterString></gmd:purpose><gmd:credit><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Canadian Space Agency, John H. Chapman Space Centre, 6767 Route de l'Aeroport, Saint-Hubert, Quebec, J3Y 8Y9, CANADA, Telephone: 450-926-4800, Fax: 450-926-4352</gco:CharacterString></gmd:credit><gmd:status><gmd:MD_ProgressCode codeList="http://nap.geogratis.gc.ca/metadata/register/napMetadataRegister.xml#IC_106" codeListValue="RI_596">onGoing</gmd:MD_ProgressCode></gmd:status><gmd:pointOfContact><gmd:CI_ResponsibleParty><gmd:individualName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">EODMS Metadata Lead</gco:CharacterString></gmd:individualName><gmd:positionName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Senior Systems Scientist</gco:CharacterString></gmd:positionName><gmd:contactInfo><gmd:CI_Contact><gmd:phone><gmd:CI_Telephone><gmd:voice xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>1-613-947-0463</gco:CharacterString></gmd:voice><gmd:facsimile xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>1-613-947-1408</gco:CharacterString></gmd:facsimile></gmd:CI_Telephone></gmd:phone><gmd:address><gmd:CI_Address><gmd:deliveryPoint xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>615 Booth St.</gco:CharacterString></gmd:deliveryPoint><gmd:city xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Ottawa</gco:CharacterString></gmd:city><gmd:administrativeArea xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Ontario</gco:CharacterString></gmd:administrativeArea><gmd:postalCode xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>K1A0Y7</gco:CharacterString></gmd:postalCode><gmd:country xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Canada</gco:CharacterString></gmd:country><gmd:electronicMailAddress><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">bso@ccrs.nrcan.gc.ca</gco:CharacterString></gmd:electronicMailAddress></gmd:CI_Address></gmd:address></gmd:CI_Contact></gmd:contactInfo><gmd:role><gmd:CI_RoleCode codeList="http://nap.geogratis.gc.ca/metadata/register/napMetadataRegister.xml#IC_90" codeListValue="RI_417">publisher</gmd:CI_RoleCode></gmd:role></gmd:CI_ResponsibleParty></gmd:pointOfContact><gmd:pointOfContact><gmd:CI_ResponsibleParty><gmd:individualName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Customer Support</gco:CharacterString></gmd:individualName><gmd:organisationName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">MDA Geospatial Services International</gco:CharacterString></gmd:organisationName><gmd:positionName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Marketing Specialist</gco:CharacterString></gmd:positionName><gmd:contactInfo><gmd:CI_Contact><gmd:phone><gmd:CI_Telephone><gmd:voice><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">604-244-0400</gco:CharacterString></gmd:voice></gmd:CI_Telephone></gmd:phone><gmd:address><gmd:C

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and metadata - processed products can be ordered from
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xmlns:gco="http://www.isotc211.org/2005/gco">The RADARSAT program was born out the need
for effective monitoring of Canada's waters for such purposes as ship detection, oil
spill monitoring, and wind and surface-wave field estimation. . Canada is a world leader
in the operational use of space radar for sea ice monitoring. Some RADARSAT-2
capabilities that benefit sea- and river-ice applications are the multi-polarization
options that improve ice-edge detection, ice-type discrimination, and ice topography and
structure information.The satellite was funded by the Canadian Space
Agency.</gco:CharacterString><gmd:PT_FreeText><gmd:textGroup><gmd:LocalisedCharacterStri
ng locale="#locale_fra_CAN">Cet enregistrement représente une simple systématiquement
géoréférencées Radarsat-2 Synthetic Aperture Radar (SAR) de la scène par satellite. Il
n'est pas géométriquement améliorée en utilisant des points de contrôle au sol, mais il
est géométriquement corrigée en utilisant les paramètres du capteur. La fréquence
d'imagerie est la bande C SAR: 5405.0000 MHz. RADARSAT-2 est dans une orbite polaire
héliosynchrone avec une période d'environ 101 minutes.The RADARSAT-2 en orbite sera
maintenue à + \ / - 1 km en direction de la piste à travers. Le maintien de l'orbite est
approprié pour la collecte de données InSAR. La précision de géo-localisation des
produits RADARSAT-2 varie selon le type de produit. Il est actuellement estimé à + \ / -
30 m pour les produits de faisceau standard. Cette précision sera disponible au moment
de la liaison descendante. La période de revisite de RADARSAT-2 dépend du mode de
faisceau, l'angle d'incidence et l'emplacement géographique de la zone d'intérêt. En
g</gmd:LocalisedCharacterString></gmd:textGroup></gmd:PT_FreeText></gmd:abstract><gmd:pu
rpose><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">As the second
largest country in the world, with a variety of landscapes and climatic conditions,
Canada recognized the practical and economic benefits of using space for Earth
observation early on. With global environmental monitoring and protection being a
worldwide concern, Earth observation is a key priority of the Canadian Space Program,
and Radarsat-1 was developed as Canada's flagship to pursue this priority. RADARSAT-2
has proven to be an invaluable source of Earth observation data. The satellite's images

are used internationally to manage and monitor the Earth's resources and to monitor global climate change, as well as in many other commercial and scientific applications. RADARSAT-2 is ideally suited to supporting these tasks because of its wide range of beams, SAR technology, frequent revisit period, high-quality products and fast, efficient delivery.</gco:CharacterString></gmd:purpose><gmd:credit><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Canadian Space Agency, John H. Chapman Space Centre, 6767 Route de l'Aeroport, Saint-Hubert, Quebec, J3Y 8Y9, CANADA, Telephone: 450-926-4800, Fax: 450-926-4352</gco:CharacterString></gmd:credit><gmd:status><gmd:MD_ProgressCode codeList="http://nap.geogratis.gc.ca/metadata/register/napMetadataRegister.xml#IC_106" codeListValue="RI_596">onGoing</gmd:MD_ProgressCode></gmd:status><gmd:pointOfContact><gmd:CI_ResponsibleParty><gmd:individualName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">EODMS Metadata Lead</gco:CharacterString></gmd:individualName><gmd:positionName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Senior Systems Scientist</gco:CharacterString></gmd:positionName><gmd:contactInfo><gmd:CI_Contact><gmd:phone><gmd:CI_Telephone><gmd:voice xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>1-613-947-0463</gco:CharacterString></gmd:voice><gmd:facsimile xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>1-613-947-1408</gco:CharacterString></gmd:facsimile></gmd:CI_Telephone></gmd:phone><gmd:address><gmd:CI_Address><gmd:deliveryPoint xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>615 Booth St.</gco:CharacterString></gmd:deliveryPoint><gmd:city xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Ottawa</gco:CharacterString></gmd:city><gmd:administrativeArea xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Ontario</gco:CharacterString></gmd:administrativeArea><gmd:postalCode xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>K1A0Y7</gco:CharacterString></gmd:postalCode><gmd:country xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Canada</gco:CharacterString></gmd:country><gmd:electronicMailAddress><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">bso@ccrs.nrcan.gc.ca</gco:CharacterString></gmd:electronicMailAddress></gmd:CI_Address></gmd:address></gmd:CI_Contact></gmd:contactInfo><gmd:role><gmd:CI_RoleCode codeList="http://nap.geogratis.gc.ca/metadata/register/napMetadataRegister.xml#IC_90" codeListValue="RI_417">publisher</gmd:CI_RoleCode></gmd:role></gmd:CI_ResponsibleParty></gmd:pointOfContact><gmd:pointOfContact><gmd:CI_ResponsibleParty><gmd:individualName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Customer Support</gco:CharacterString></gmd:individualName><gmd:organisationName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">MDA Geospatial Services International</gco:CharacterString></gmd:organisationName><gmd:positionName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Marketing Specialist</gco:CharacterString></gmd:positionName><gmd:contactInfo><gmd:CI_Contact><gmd:phone><gmd:CI_Telephone><gmd:voice><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">604-244-0400</gco:CharacterString></gmd:voice></gmd:CI_Telephone></gmd:phone><gmd:address><gmd:CI_Address><gmd:deliveryPoint><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">13800 Commerce Parkway</gco:CharacterString></gmd:deliveryPoint><gmd:city><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Richmond</gco:CharacterString></gmd:city><gmd:administrativeArea><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">British Columbia</gco:CharacterString></gmd:administrativeArea><gmd:postalCode><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">V6V 2J3</gco:CharacterString></gmd:postalCode><gmd:country><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Canada</gco:CharacterString></gmd:country><gmd:electronicMailAddress><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">clientservices@mdacorporation.com</gco:Char

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and metadata - processed products can be ordered from
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Secteur des sciences de la Terre; Centre canadien de cartographie et d'observation de la
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xmlns:gco="http://www.isotc211.org/2005/gco">The RADARSAT program was born out the need
for effective monitoring of Canada's waters for such purposes as ship detection, oil
spill monitoring, and wind and surface-wave field estimation. . Canada is a world leader
in the operational use of space radar for sea ice monitoring. Some RADARSAT-2
capabilities that benefit sea- and river-ice applications are the multi-polarization
options that improve ice-edge detection, ice-type discrimination, and ice topography and
structure information.The satellite was funded by the Canadian Space
Agency.</gco:CharacterString><gmd:PT_FreeText><gmd:textGroup><gmd:LocalisedCharacterStri
ng locale="#locale_fra_CAN">Cet enregistrement représente une simple systématiquement
géoréférencées Radarsat-2 Synthetic Aperture Radar (SAR) de la scène par satellite. Il
n'est pas géométriquement améliorée en utilisant des points de contrôle au sol, mais il
est géométriquement corrigée en utilisant les paramètres du capteur. La fréquence
d'imagerie est la bande C SAR: 5405.0000 MHz. RADARSAT-2 est dans une orbite polaire
héliosynchrone avec une période d'environ 101 minutes.The RADARSAT-2 en orbite sera
maintenue à + \ / - 1 km en direction de la piste à travers. Le maintien de l'orbite est
approprié pour la collecte de données InSAR. La précision de géo-localisation des
produits RADARSAT-2 varie selon le type de produit. Il est actuellement estimé à + \ / -
30 m pour les produits de faisceau standard. Cette précision sera disponible au moment
de la liaison descendante. La période de revisite de RADARSAT-2 dépend du mode de
faisceau, l'angle d'incidence et l'emplacement géographique de la zone d'intérêt. En
g</gmd:LocalisedCharacterString></gmd:textGroup></gmd:PT_FreeText></gmd:abstract><gmd:pu
rpose><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">As the second
largest country in the world, with a variety of landscapes and climatic conditions,
Canada recognized the practical and economic benefits of using space for Earth
observation early on. With global environmental monitoring and protection being a
worldwide concern, Earth observation is a key priority of the Canadian Space Program,
and Radarsat-1 was developed as Canada's flagship to pursue this priority. RADARSAT-2
has proven to be an invaluable source of Earth observation data. The satellite's images
are used internationally to manage and monitor the Earth's resources and to monitor
global climate change, as well as in many other commercial and scientific applications.
RADARSAT-2 is ideally suited to supporting these tasks because of its wide range of
beams, SAR technology, frequent revisit period, high-quality products and fast,
efficient delivery.</gco:CharacterString></gmd:purpose><gmd:credit><gco:CharacterString
xmlns:gco="http://www.isotc211.org/2005/gco">Canadian Space Agency, John H. Chapman
Space Centre, 6767 Route de l'Aeroport, Saint-Hubert, Quebec, J3Y 8Y9, CANADA,
Telephone: 450-926-4800, Fax: 450-926-
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gcp)</gco:CharacterString></gmd:fileDescription><gmd:fileType><gco:CharacterString
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and metadata - processed products can be ordered from
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xmlns:gco="http://www.isotc211.org/2005/gco">The RADARSAT program was born out the need
for effective monitoring of Canada's waters for such purposes as ship detection, oil
spill monitoring, and wind and surface-wave field estimation. . Canada is a world leader
in the operational use of space radar for sea ice monitoring. Some RADARSAT-2
capabilities that benefit sea- and river-ice applications are the multi-polarization
options that improve ice-edge detection, ice-type discrimination, and ice topography and
structure information.The satellite was funded by the Canadian Space
Agency.</gco:CharacterString><gmd:PT_FreeText><gmd:textGroup><gmd:LocalisedCharacterStri
ng locale="#locale_fra_CAN">Cet enregistrement représente une simple systématiquement
géoréférencées Radarsat-2 Synthetic Aperture Radar (SAR) de la scène par satellite. Il
n'est pas géométriquement améliorée en utilisant des points de contrôle au sol, mais il
est géométriquement corrigée en utilisant les paramètres du capteur. La fréquence
d'imagerie est la bande C SAR: 5405.0000 MHz. RADARSAT-2 est dans une orbite polaire
héliosynchrone avec une période d'environ 101 minutes.The RADARSAT-2 en orbite sera
maintenue à + \ / - 1 km en direction de la piste à travers. Le maintien de l'orbite est
approprié pour la collecte de données InSAR. La précision de géo-localisation des
produits RADARSAT-2 varie selon le type de produit. Il est actuellement estimé à + \ / -
30 m pour les produits de faisceau standard. Cette précision sera disponible au moment
de la liaison descendante. La période de revisite de RADARSAT-2 dépend du mode de
faisceau, l'angle d'incidence et l'emplacement géographique de la zone d'intérêt. En
g</gmd:LocalisedCharacterString></gmd:textGroup></gmd:PT_FreeText></gmd:abstract><gmd:pu
rpose><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">As the second
largest country in the world, with a variety of landscapes and climatic conditions,
Canada recognized the practical and economic benefits of using space for Earth
observation early on. With global environmental monitoring and protection being a
worldwide concern, Earth observation is a key priority of the Canadian Space Program,
and Radarsat-1 was developed as Canada's flagship to pursue this priority. RADARSAT-2
has proven to be an invaluable source of Earth observation data. The satellite's images
are used internationally to manage and monitor the Earth's resources and to monitor
global climate change, as well as in many other commercial and scientific applications.
RADARSAT-2 is ideally suited to supporting these tasks because of its wide range of
beams, SAR technology, frequent revisit period, high-quality products and fast,
efficient delivery.</gco:CharacterString></gmd:purpose><gmd:credit><gco:CharacterString
xmlns:gco="http://www.isotc211.org/2005/gco">Canadian Space Agency, John H. Chapman
Space Centre, 6767 Route de l'Aeroport, Saint-Hubert, Quebec, J3Y 8Y9, CANADA,
Telephone: 450-926-4800, Fax: 450-926-
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for effective monitoring of Canada's waters for such purposes as ship detection, oil

spill monitoring, and wind and surface-wave field estimation. . Canada is a world leader in the operational use of space radar for sea ice monitoring. Some RADARSAT-2 capabilities that benefit sea- and river-ice applications are the multi-polarization options that improve ice-edge detection, ice-type discrimination, and ice topography and structure information.The satellite was funded by the Canadian Space Agency.</gco:CharacterString><gmd:PT_FreeText><gmd:textGroup><gmd:LocalisedCharacterString locale="#locale_fra_CAN">Cet enregistrement représente une simple systématiquement géoréférencées Radarsat-2 Synthetic Aperture Radar (SAR) de la scène par satellite. Il n'est pas géométriquement améliorée en utilisant des points de contrôle au sol, mais il est géométriquement corrigée en utilisant les paramètres du capteur. La fréquence d'imagerie est la bande C SAR: 5405.0000 MHz. RADARSAT-2 est dans une orbite polaire héliosynchrone avec une période d'environ 101 minutes.The RADARSAT-2 en orbite sera maintenue à + \ / - 1 km en direction de la piste à travers. Le maintien de l'orbite est approprié pour la collecte de données InSAR. La précision de géo-localisation des produits RADARSAT-2 varie selon le type de produit. Il est actuellement estimé à + \ / - 30 m pour les produits de faisceau standard. Cette précision sera disponible au moment de la liaison descendante. La période de revisite de RADARSAT-2 dépend du mode de faisceau, l'angle d'incidence et l'emplacement géographique de la zone d'intérêt. En g</gmd:LocalisedCharacterString></gmd:textGroup></gmd:PT_FreeText></gmd:abstract><gmd:purpose><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">As the second largest country in the world, with a variety of landscapes and climatic conditions, Canada recognized the practical and economic benefits of using space for Earth observation early on. With global environmental monitoring and protection being a worldwide concern, Earth observation is a key priority of the Canadian Space Program, and Radarsat-1 was developed as Canada's flagship to pursue this priority. RADARSAT-2 has proven to be an invaluable source of Earth observation data. The satellite's images are used internationally to manage and monitor the Earth's resources and to monitor global climate change, as well as in many other commercial and scientific applications. RADARSAT-2 is ideally suited to supporting these tasks because of its wide range of beams, SAR technology, frequent revisit period, high-quality products and fast, efficient delivery.</gco:CharacterString></gmd:purpose><gmd:credit><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Canadian Space Agency, John H. Chapman Space Centre, 6767 Route de l'Aeroport, Saint-Hubert, Quebec, J3Y 8Y9, CANADA, Telephone: 450-926-4800, Fax: 450-926-4352</gco:CharacterString></gmd:credit><gmd:status><gmd:MD_ProgressCode codeList="http://nap.geogratis.gc.ca/metadata/register/napMetadataRegister.xml#IC_106" codeListValue="RI_596">onGoing</gmd:MD_ProgressCode></gmd:status><gmd:pointOfContact><gmd:CI_ResponsibleParty><gmd:individualName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">EODMS Metadata Lead</gco:CharacterString></gmd:individualName><gmd:positionName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Senior Systems Scientist</gco:CharacterString></gmd:positionName><gmd:contactInfo><gmd:CI_Contact><gmd:phone><gmd:CI_Telephone><gmd:voice xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>1-613-947-0463</gco:CharacterString></gmd:voice><gmd:facsimile xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>1-613-947-1408</gco:CharacterString></gmd:facsimile></gmd:CI_Telephone></gmd:phone><gmd:address><gmd:CI_Address><gmd:deliveryPoint xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>615 Booth St.</gco:CharacterString></gmd:deliveryPoint><gmd:city xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Ottawa</gco:CharacterString></gmd:city><gmd:administrativeArea xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Ontario</gco:CharacterString></gmd:administrativeArea><gmd:postalCode xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>K1A0Y7</gco:CharacterString></gmd:postalCode><gmd:country xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Canada</gco:CharacterString></gmd:country><gmd:electronicMailAddress><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">bso@ccrs.nrcan.gc.ca</gco:CharacterString><

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xmlns:gco="http://www.isotc211.org/2005/gco">The RADARSAT program was born out the need
for effective monitoring of Canada's waters for such purposes as ship detection, oil
spill monitoring, and wind and surface-wave field estimation. . Canada is a world leader
in the operational use of space radar for sea ice monitoring. Some RADARSAT-2
capabilities that benefit sea- and river-ice applications are the multi-polarization
options that improve ice-edge detection, ice-type discrimination, and ice topography and
structure information.The satellite was funded by the Canadian Space
Agency.</gco:CharacterString><gmd:PT_FreeText><gmd:textGroup><gmd:LocalisedCharacterStri
ng locale="#locale_fra_CAN">Cet enregistrement représente une simple systématiquement
géoréférencées Radarsat-2 Synthetic Aperture Radar (SAR) de la scène par satellite. Il
n'est pas géométriquement améliorée en utilisant des points de contrôle au sol, mais il
est géométriquement corrigée en utilisant les paramètres du capteur. La fréquence
d'imagerie est la bande C SAR: 5405.0000 MHz. RADARSAT-2 est dans une orbite polaire

héliosynchrone avec une période d'environ 101 minutes.The RADARSAT-2 en orbite sera maintenue à + \ / - 1 km en direction de la piste à travers. Le maintien de l'orbite est approprié pour la collecte de données InSAR. La précision de géo-localisation des produits RADARSAT-2 varie selon le type de produit. Il est actuellement estimé à + \ / - 30 m pour les produits de faisceau standard. Cette précision sera disponible au moment de la liaison descendante. La période de revisite de RADARSAT-2 dépend du mode de faisceau, l'angle d'incidence et l'emplacement géographique de la zone d'intérêt. En g</gmd:LocalisedCharacterString></gmd:textGroup></gmd:PT_FreeText></gmd:abstract><gmd:purpose><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">As the second largest country in the world, with a variety of landscapes and climatic conditions, Canada recognized the practical and economic benefits of using space for Earth observation early on. With global environmental monitoring and protection being a worldwide concern, Earth observation is a key priority of the Canadian Space Program, and Radarsat-1 was developed as Canada's flagship to pursue this priority. RADARSAT-2 has proven to be an invaluable source of Earth observation data. The satellite's images are used internationally to manage and monitor the Earth's resources and to monitor global climate change, as well as in many other commercial and scientific applications. RADARSAT-2 is ideally suited to supporting these tasks because of its wide range of beams, SAR technology, frequent revisit period, high-quality products and fast, efficient delivery.</gco:CharacterString></gmd:purpose><gmd:credit><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Canadian Space Agency, John H. Chapman Space Centre, 6767 Route de l'Aeroport, Saint-Hubert, Quebec, J3Y 8Y9, CANADA, Telephone: 450-926-4800, Fax: 450-926-4352</gco:CharacterString></gmd:credit><gmd:status><gmd:MD_ProgressCode codeList="http://nap.geogratis.gc.ca/metadata/register/napMetadataRegister.xml#IC_106" codeListValue="RI_596">onGoing</gmd:MD_ProgressCode></gmd:status><gmd:pointOfContact><gmd:CI_ResponsibleParty><gmd:individualName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">EODMS Metadata Lead</gco:CharacterString></gmd:individualName><gmd:positionName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Senior Systems Scientist</gco:CharacterString></gmd:positionName><gmd:contactInfo><gmd:CI_Contact><gmd:phone><gmd:CI_Telephone><gmd:voice xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>1-613-947-0463</gco:CharacterString></gmd:voice><gmd:facsimile xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>1-613-947-1408</gco:CharacterString></gmd:facsimile></gmd:CI_Telephone></gmd:phone><gmd:address><gmd:CI_Address><gmd:deliveryPoint xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>615 Booth St.</gco:CharacterString></gmd:deliveryPoint><gmd:city xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Ottawa</gco:CharacterString></gmd:city><gmd:administrativeArea xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Ontario</gco:CharacterString></gmd:administrativeArea><gmd:postalCode xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>K1A0Y7</gco:CharacterString></gmd:postalCode><gmd:country xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Canada</gco:CharacterString></gmd:country><gmd:electronicMailAddress><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">bso@ccrs.nrcan.gc.ca</gco:CharacterString></gmd:electronicMailAddress></gmd:CI_Address></gmd:address></gmd:CI_Contact></gmd:contactInfo><gmd:role><gmd:CI_RoleCode codeList="http://nap.geogratis.gc.ca/metadata/register/napMetadataRegister.xml#IC_90" codeListValue="RI_417">publisher</gmd:CI_RoleCode></gmd:role></gmd:CI_ResponsibleParty></gmd:pointOfContact><gmd:pointOfContact><gmd:CI_ResponsibleParty><gmd:individualName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Customer Support</gco:CharacterString></gmd:individualName><gmd:organisationName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">MDA Geospatial Services International</gco:CharacterString></gmd:organisationName><gmd:positionName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Marketing Specialist</gco:CharacterString></gmd:positionName><gmd:contactInfo><gmd:CI_Contact><gmd

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xmlns:gco="http://www.isotc211.org/2005/gco">The RADARSAT program was born out the need
for effective monitoring of Canada's waters for such purposes as ship detection, oil
spill monitoring, and wind and surface-wave field estimation. . Canada is a world leader
in the operational use of space radar for sea ice monitoring. Some RADARSAT-2
capabilities that benefit sea- and river-ice applications are the multi-polarization
options that improve ice-edge detection, ice-type discrimination, and ice topography and
structure information.The satellite was funded by the Canadian Space
Agency.</gco:CharacterString><gmd:PT_FreeText><gmd:textGroup><gmd:LocalisedCharacterStri
ng locale="#locale_fra_CAN">Cet enregistrement représente une simple systématiquement
géoréférencées Radarsat-2 Synthetic Aperture Radar (SAR) de la scène par satellite. Il
n'est pas géométriquement améliorée en utilisant des points de contrôle au sol, mais il
est géométriquement corrigée en utilisant les paramètres du capteur. La fréquence
d'imagerie est la bande C SAR: 5405.0000 MHz. RADARSAT-2 est dans une orbite polaire
héliosynchrone avec une période d'environ 101 minutes.The RADARSAT-2 en orbite sera
maintenue à + \ / - 1 km en direction de la piste à travers. Le maintien de l'orbite est
approprié pour la collecte de données InSAR. La précision de géo-localisation des
produits RADARSAT-2 varie selon le type de produit. Il est actuellement estimé à + \ / -
30 m pour les produits de faisceau standard. Cette précision sera disponible au moment
de la liaison descendante. La période de revisite de RADARSAT-2 dépend du mode de
faisceau, l'angle d'incidence et l'emplacement géographique de la zone d'intérêt. En
g</gmd:LocalisedCharacterString></gmd:textGroup></gmd:PT_FreeText></gmd:abstract><gmd:pu
rpose><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">As the second
largest country in the world, with a variety of landscapes and climatic conditions,
Canada recognized the practical and economic benefits of using space for Earth
observation early on. With global environmental monitoring and protection being a
```

worldwide concern, Earth observation is a key priority of the Canadian Space Program, and Radarsat-1 was developed as Canada's flagship to pursue this priority. RADARSAT-2 has proven to be an invaluable source of Earth observation data. The satellite's images are used internationally to manage and monitor the Earth's resources and to monitor global climate change, as well as in many other commercial and scientific applications. RADARSAT-2 is ideally suited to supporting these tasks because of its wide range of beams, SAR technology, frequent revisit period, high-quality products and fast, efficient delivery.</gco:CharacterString></gmd:purpose><gmd:credit><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Canadian Space Agency, John H. Chapman Space Centre, 6767 Route de l'Aeroport, Saint-Hubert, Quebec, J3Y 8Y9, CANADA, Telephone: 450-926-4800, Fax: 450-926-4352</gco:CharacterString></gmd:credit><gmd:status><gmd:MD_ProgressCode codeList="http://nap.geogratis.gc.ca/metadata/register/napMetadataRegister.xml#IC_106" codeListValue="RI_596">onGoing</gmd:MD_ProgressCode></gmd:status><gmd:pointOfContact><gmd:CI_ResponsibleParty><gmd:individualName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">EODMS Metadata Lead</gco:CharacterString></gmd:individualName><gmd:positionName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Senior Systems Scientist</gco:CharacterString></gmd:positionName><gmd:contactInfo><gmd:CI_Contact><gmd:phone><gmd:CI_Telephone><gmd:voice xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>1-613-947-0463</gco:CharacterString></gmd:voice><gmd:facsimile xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>1-613-947-1408</gco:CharacterString></gmd:facsimile></gmd:CI_Telephone></gmd:phone><gmd:address><gmd:CI_Address><gmd:deliveryPoint xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>615 Booth St.</gco:CharacterString></gmd:deliveryPoint><gmd:city xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Ottawa</gco:CharacterString></gmd:city><gmd:administrativeArea xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Ontario</gco:CharacterString></gmd:administrativeArea><gmd:postalCode xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>K1A0Y7</gco:CharacterString></gmd:postalCode><gmd:country xmlns:gco="http://www.isotc211.org/2005/gco" gco:nilReason="missing"><gco:CharacterString>Canada</gco:CharacterString></gmd:country><gmd:electronicMailAddress><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">bso@ccrs.nrcan.gc.ca</gco:CharacterString></gmd:electronicMailAddress></gmd:CI_Address></gmd:address></gmd:CI_Contact></gmd:contactInfo><gmd:role><gmd:CI_RoleCode codeList="http://nap.geogratis.gc.ca/metadata/register/napMetadataRegister.xml#IC_90" codeListValue="RI_417">publisher</gmd:CI_RoleCode></gmd:role></gmd:CI_ResponsibleParty></gmd:pointOfContact><gmd:pointOfContact><gmd:CI_ResponsibleParty><gmd:individualName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Customer Support</gco:CharacterString></gmd:individualName><gmd:organisationName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">MDA Geospatial Services International</gco:CharacterString></gmd:organisationName><gmd:positionName><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Marketing Specialist</gco:CharacterString></gmd:positionName><gmd:contactInfo><gmd:CI_Contact><gmd:phone><gmd:CI_Telephone><gmd:voice><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">604-244-0400</gco:CharacterString></gmd:voice></gmd:CI_Telephone></gmd:phone><gmd:address><gmd:CI_Address><gmd:deliveryPoint><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">13800 Commerce Parkway</gco:CharacterString></gmd:deliveryPoint><gmd:city><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">Richmond</gco:CharacterString></gmd:city><gmd:administrativeArea><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">British Columbia</gco:CharacterString></gmd:administrativeArea><gmd:postalCode><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">V6V 2J3</gco:CharacterString></gmd:postalCode><gmd:country><gco:CharacterString

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xmlns:gco="http://www.isotc211.org/2005/gco">The RADARSAT program was born out the need
for effective monitoring of Canada's waters for such purposes as ship detection, oil
spill monitoring, and wind and surface-wave field estimation. . Canada is a world leader
in the operational use of space radar for sea ice monitoring. Some RADARSAT-2
capabilities that benefit sea- and river-ice applications are the multi-polarization
options that improve ice-edge detection, ice-type discrimination, and ice topography and
structure information.The satellite was funded by the Canadian Space
Agency.</gco:CharacterString><gmd:PT_FreeText><gmd:textGroup><gmd:LocalisedCharacterStri
ng locale="#locale_fra_CAN">Cet enregistrement représente une simple systématiquement
géoréférencées Radarsat-2 Synthetic Aperture Radar (SAR) de la scène par satellite. Il
n'est pas géométriquement améliorée en utilisant des points de contrôle au sol, mais il
est géométriquement corrigée en utilisant les paramètres du capteur. La fréquence
d'imagerie est la bande C SAR: 5405.0000 MHz. RADARSAT-2 est dans une orbite polaire
héliosynchrone avec une période d'environ 101 minutes.The RADARSAT-2 en orbite sera
maintenue à + \ / - 1 km en direction de la piste à travers. Le maintien de l'orbite est
approprié pour la collecte de données InSAR. La précision de géo-localisation des
produits RADARSAT-2 varie selon le type de produit. Il est actuellement estimé à + \ / -
30 m pour les produits de faisceau standard. Cette précision sera disponible au moment
de la liaison descendante. La période de revisite de RADARSAT-2 dépend du mode de
faisceau, l'angle d'incidence et l'emplacement géographique de la zone d'intérêt. En
g</gmd:LocalisedCharacterString></gmd:textGroup></gmd:PT_FreeText></gmd:abstract><gmd:pu
rpose><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">As the second
largest country in the world, with a variety of landscapes and climatic conditions,
Canada recognized the practical and economic benefits of using space for Earth
observation early on. With global environmental monitoring and protection being a
worldwide concern, Earth observation is a key priority of the Canadian Space Program,
and Radarsat-1 was developed as Canada's flagship to pursue this priority. RADARSAT-2
has proven to be an invaluable source of Earth observation data. The satellite's images
are used internationally to manage and monitor the Earth's resources and to monitor
global climate change, as well as in many other commercial and scientific applications.
RADARSAT-2 is ideally suited to supporting these tasks because of its wide range of
beams, SAR technology, frequent revisit period, high-quality products and fast,
efficient delivery.</gco:CharacterString></gmd:purpose><gmd:credit><gco:CharacterString
xmlns:gco="http://www.isotc211.org/2005/gco">Canadian Space Agency, John H. Chapman
Space Centre, 6767 Route de l'Aeroport, Saint-Hubert, Quebec, J3Y 8Y9, CANADA,
Telephone: 450-926-4800, Fax: 450-926-

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xmlns:gco="http://www.isotc211.org/2005/gco">The RADARSAT program was born out the need
for effective monitoring of Canada's waters for such purposes as ship detection, oil
spill monitoring, and wind and surface-wave field estimation. . Canada is a world leader
in the operational use of space radar for sea ice monitoring. Some RADARSAT-2
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structure information.The satellite was funded by the Canadian Space
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ng locale="#locale_fra_CAN">Cet enregistrement représente une simple systématiquement
géoréférencées Radarsat-2 Synthetic Aperture Radar (SAR) de la scène par satellite. Il
n'est pas géométriquement améliorée en utilisant des points de contrôle au sol, mais il
est géométriquement corrigée en utilisant les paramètres du capteur. La fréquence
d'imagerie est la bande C SAR: 5405.0000 MHz. RADARSAT-2 est dans une orbite polaire
héliosynchrone avec une période d'environ 101 minutes.The RADARSAT-2 en orbite sera
maintenue à + \ / - 1 km en direction de la piste à travers. Le maintien de l'orbite est
approprié pour la collecte de données InSAR. La précision de géo-localisation des
produits RADARSAT-2 varie selon le type de produit. Il est actuellement estimé à + \ / -
30 m pour les produits de faisceau standard. Cette précision sera disponible au moment
de la liaison descendante. La période de revisite de RADARSAT-2 dépend du mode de
faisceau, l'angle d'incidence et l'emplacement géographique de la zone d'intérêt. En
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largest country in the world, with a variety of landscapes and climatic conditions,
Canada recognized the practical and economic benefits of using space for Earth
observation early on. With global environmental monitoring and protection being a
worldwide concern, Earth observation is a key priority of the Canadian Space Program,
and Radarsat-1 was developed as Canada's flagship to pursue this priority. RADARSAT-2
has proven to be an invaluable source of Earth observation data. The satellite's images
are used internationally to manage and monitor the Earth's resources and to monitor
global climate change, as well as in many other commercial and scientific applications.
RADARSAT-2 is ideally suited to supporting these tasks because of its wide range of
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efficient delivery.</gco:CharacterString></gmd:purpose><gmd:credit><gco:CharacterString
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Telephone: 450-926-4800, Fax: 450-926-
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for effective monitoring of Canada's waters for such purposes as ship detection, oil
spill monitoring, and wind and surface-wave field estimation. . Canada is a world leader
in the operational use of space radar for sea ice monitoring. Some RADARSAT-2
capabilities that benefit sea- and river-ice applications are the multi-polarization
options that improve ice-edge detection, ice-type discrimination, and ice topography and
structure information.The satellite was funded by the Canadian Space
Agency.</gco:CharacterString><gmd:PT_FreeText><gmd:textGroup><gmd:LocalisedCharacterStri
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géoréférencées Radarsat-2 Synthetic Aperture Radar (SAR) de la scène par satellite. Il
n'est pas géométriquement améliorée en utilisant des points de contrôle au sol, mais il
est géométriquement corrigée en utilisant les paramètres du capteur. La fréquence
d'imagerie est la bande C SAR: 5405.0000 MHz. RADARSAT-2 est dans une orbite polaire
héliosynchrone avec une période d'environ 101 minutes.The RADARSAT-2 en orbite sera
maintenue à + \ / - 1 km en direction de la piste à travers. Le maintien de l'orbite est
approprié pour la collecte de données InSAR. La précision de géo-localisation des
produits RADARSAT-2 varie selon le type de produit. Il est actuellement estimé à + \ / -
30 m pour les produits de faisceau standard. Cette précision sera disponible au moment
de la liaison descendante. La période de revisite de RADARSAT-2 dépend du mode de
faisceau, l'angle d'incidence et l'emplacement géographique de la zone d'intérêt. En
g</gmd:LocalisedCharacterString></gmd:textGroup></gmd:PT_FreeText></gmd:abstract><gmd:pu
rpose><gco:CharacterString xmlns:gco="http://www.isotc211.org/2005/gco">As the second
largest country in the world, with a variety of landscapes and climatic conditions,
Canada recognized the practical and economic benefits of using space for Earth
observation early on. With global environmental monitoring and protection being a
worldwide concern, Earth observation is a key priority of the Canadian Space Program,
and Radarsat-1 was developed as Canada's flagship to pursue this priority. RADARSAT-2
has proven to be an invaluable source of Earth observation data. The satellite's images
are used internationally to manage and monitor the Earth's resources and to monitor
global climate change, as well as in many other commercial and scientific applications.
RADARSAT-2 is ideally suited to supporting these tasks because of its wide range of
beams, SAR technology, frequent revisit period, high-quality products and fast,
efficient delivery.</gco:CharacterString></gmd:purpose><gmd:credit><gco:CharacterString
xmlns:gco="http://www.isotc211.org/2005/gco">Canadian Space Agency, John H. Chapman
Space Centre, 6767 Route de l'Aeroport, Saint-Hubert, Quebec, J3Y 8Y9, CANADA,
Telephone: 450-926-4800, Fax: 450-926-
4352</gco:CharacterString></gmd:credit><gmd:status><gmd:MD_ProgressCode
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(Vancouver)</gco:CharacterString></gmd:otherConstraints></gmd:MD_LegalConstraints></gmd:resourceConstraints><gmd:spatialRepresentationType><gmd:MD_SpatialRepresentationTypeCode
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GSI
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and metadata - processed products can be ordered from
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:Body></soap:Envelope>
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