A satellite radar data map of the South West Margins off the Western Australia coast. The map shows a grayscale texture representing the sea surface. A prominent dark, elongated feature runs diagonally from the top left towards the bottom right, outlined in red. To the left of this feature, there is a smaller, irregularly shaped dark area outlined in green. A cyan dashed line runs parallel to the main dark feature. The year '2005' is printed at the bottom center of the map.

**REPORT ON THE INTERPRETATION AND MAPPING OF NATURAL
HYDROCARBON SEEPS AND OTHER FEATURES OF THE SOUTH
WEST MARGINS OFF THE WESTERN AUSTRALIA COAST USING
SATELLITE RADAR DATA.**

**A PROJECT FOR
GEOSCIENCE AUSTRALIA
PETROLEUM AND MARINE DIVISION**

2005

**BY
ROBERT COOK
MANAGING DIRECTOR
IMAGE ANALYSIS & MAPPING PTY LTD**

CONTENTS.

<i>Heading</i>	<i>Page</i>
Project Objective	2
Summary	2
Weather Conditions	3
Appendixes Provided	3
ERS Satellite SAR Data Analysis	3
Radarsat Satellite SAR Data Analysis	6
Glossary of Slick and Other Interpretations	7
Processes	7
Data	7
Image Processing	8
Interpretation and Analysis	8
Disclaimer	9
Contact Details	9
<i>FIGURES:</i>	
Figures 1a & 1b Location Maps	10
Figure 2 ERS 1 01906-06	11
Figure 3 ERS 1 01906-07	12
Figure 4 ERS 2 01907-01	13
Figure 4a ERS 2 01907-01 Level 2 enlargement	14
Figure 5 ERS 2 01907-02	15
Figure 6 ERS 2 01907-03	16
Figure 7 ERS 2 01907-04	17
Figure 8 ERS 2 01907-05	18
Figure 9 ERS 2 01907-06	19
Figure 10 ERS 2 01907-07	20
Figure 11 ERS 1 01907-08	21
Figure 12 Radarsat 01925-03	22
Figure 13 Radarsat 01925-04	23
Figure 14 Radarsat 01925-05	24
Figure 15 Radarsat 01925-06	25
<i>APPENDICES:</i>	
Appendix I Tables of Slick, etc Interpretations	-1-
Appendix II Tables of Geotiff & ArcGIS files provided	-38-
Appendix III Satellite Information	-41-
Weather Compliance Data	-55-

PROJECT OBJECTIVE:

This report covers the interpretation, feature mapping and assessment carried out from June to July 2005 of satellite radar data of the South West Margins offshore from the Western Australia coast.

The principal objective of the project was to detect and map, using satellite radar data, any natural hydrocarbon sea-surface seepage slicks and other anomalies that may exist.

The areas covered are shown in Figures 1a & 1b.

The success or otherwise of the project was dependent on:

- The quality of the image data,
 - The interpretability of the data, and
 - The existence of slicks and other anomalies.
-
-

SUMMARY:

The processing, interpretation and mapping of slicks offshore of the South West Margins using ten ERS satellite radar scenes and four Radarsat scenes has been completed successfully.

All slick interpretations have been attributed with a hydrocarbon likelihood Level ranging from Level 2 to Level 4 with Level 2 being the most likely. Given the absence of actual field data, no Level 1 slicks have been mapped (see Glossary of Slick and Other Interpretations, p3 below).

For all the fourteen scenes interpreted and mapped, there is only one Level 2 slick. **This significant slick is located on the western edge of scene ERS 2 WO 01907-01 Orbit 5883.**

No locations have been provided of the sources of mapped slicks. Although an approximate point source would normally be provided for Level 2 slicks, the only Level 2 slick mapped (as above) is not complete as it is on the edge of the image (and presumably would continue on to an adjacent image acquired at the same time if it were available) and given the depth to sea floor of between 2,500m to 3,000m, it is not possible to provide a point source.

Likewise, while an approximate point source would normally be provided for Level 3 slicks, given the depth to sea floor in the locations of the two Level 3 slicks mapped (same scene as for the Level 2 slick) of between 2,500m to 5,500m, it is not possible to provide a point sources. As per normal, Level 4 slicks are not provided with a source point.

Many of the Level 4 slicks are located along the coastline in or near to the surf break zone (some possibly adjacent to rocky outcrops) and as such are regarded as false slicks as they most likely relate to differences in sea surface conditions and not to the formation of hydrocarbons.

All interpretations have been attributed and all include:

ID number, Satellite type (ERS or Radarsat), SAR type (ERS 1, ERS 2 or Radarsat W1) and beam (C), Work Order number, Orbit Number, Scene (acquisition) Date, Area (South West Margins), Interpretation Date, supply Company (IAM).

The slick interpretation layers also include: Slick Level (2, 3 or 4) and Slick Description.

The circular structure interpretation layers also include: Ring Feature (description).

The surface structures interpretation layers also include: Surface Feature (description).

All other available satellite information not included in the GIS layers is included in Appendix III.

Quicklooks of all images (including a close-up of the scene with the Level 2 slick) with interpretations overlain are included below.

Weather Conditions:

One of the ERS radar scenes, ERS 2 WO 01907-01 Orbit 5883 (with the Level 2), is severely storm affected across approximately the bottom third of the scene but is otherwise weather compliant.

The other ERS and all Radarsat scenes are unaffected by storm activity and appear to be generally weather compliant although none of the scenes provide perfect conditions for the detection and mapping of slicks, particularly those slicks indicated by subtle expressions. For the six scenes of Orbit 5883, weather conditions become increasingly rougher progressing to the north and thus less weather compliant.

Appendixes Provided:

Tables of all interpretations are included in Appendix I.

Lists of all image and GIS files provided are included in Appendix II.

Detailed satellite scene information and weather compliancy data (as provided by Geoscience Australia) is included in Appendix III.

ERS SAR data interpretations:

ERS satellite radar scene ERS1 WO 01906-06.

There are no Level 2 or Level 3 slicks in this image.

There are 31 Level 4 slicks, all of them regarded as false slicks (see description in the Summary).

There is 1 Surface Feature being an area of quieter water of the ocean on the leeward side of the Margaret River land area and adjacent to Bunbury.

Sea surface conditions are rough and such, this scene is not fully weather compliant and not ideal for the detection of slicks.

ERS satellite radar scene ERS1 WO 01906-07.

There are no Level 2 or Level 3 slicks in this image.

There are 11 Level 4 slicks, all of them regarded as false slicks (see description in the Summary).

There are 7 surface features mapped ranging from current and swell indicators to ships and their wakes.

Sea surface conditions are rough and such, this scene is not fully weather compliant and not ideal for the detection of slicks.

ERS satellite scene ERS2 WO 01907-01.

This scene has the only Level 2 slick. This is a definite slick probably of a hydrocarbon nature that may be significant given its geographic location over a raised platform despite the depth to sea floor of between 2,500m and 3,000m. Immediately beyond the platform, the sea floor reaches depths of over 5,500m. Unfortunately, the full extent of the slick is not visible as it flows off the western edge of the image and as such, location of a source is not possible.

There are two Level 3 slicks in this image that may also be important, especially one located immediately south of the Level 2 slick. While both appear to be definite slicks and are quite possibly of a hydrocarbon nature, the form of these slicks may be related to storm activity. As such should be treated with caution even though they would probably have been categorised as Level 4 slicks had it not been for the storm activity.

There are four Level 4 slicks in this image. While they do appear to be slicks, as per usual it is not possible to make any definite determination of the existence of each, let alone what each may be composed of.

There are 16 surface features mapped ranging from current and swell indicators to ships and their wakes.

Apart from storm activity across approximately the southern third of the scene, this scene is otherwise weather compliant (very good) and mapping of slicks was performed over the entire image area.

ERS satellite scene ERS2 WO 01907-02.

There are no Level 2, Level 3 or Level 4 slicks in this image.

There are 2 Circular features in this image (see description in the Glossary).

There are 21 surface features mapped ranging from current and swell indicators to ships and their wakes.

Weather compliancy for this scene is good and mapping of slicks was performed over the entire image area.

ERS satellite scene ERS2 WO 01907-03.

There are no Level 2, Level 3 or Level 4 slicks in this image.

There are 5 Circular features in this image (see description in the Glossary).

There are 13 surface features mapped ranging from current and swell indicators to ships and their wakes.

Weather compliancy for this scene is good and mapping of slicks was performed over the entire image area.

ERS satellite scene ERS2 WO 01907-04.

There are no Level 2, Level 3 or Level 4 slicks in this image.

There is 1 Circular feature in this image (see description in the Glossary).

There are 6 surface features mapped ranging from current and swell indicators to ships and their wakes.

Weather compliancy for this scene is good and mapping of slicks was performed over the entire image area.

ERS satellite scene ERS2 WO 01907-05.

There are no Level 2, Level 3 or Level 4 slicks in this image.

There are 15 Circular features in this image (see description in the Glossary). Some of these are interesting in that they exist in four separate groups plus 2 independent circular features.

There are 10 surface features mapped ranging from current and swell indicators to ships and their wakes.

Weather compliancy for this scene is marginal however, mapping of slicks was performed over the entire image area.

ERS satellite scene ERS2 WO 01907-06.

There are no Level 2 or Level 3 slicks in this image.

There are 18 Level 4 slicks in this image but all but one are false slicks (see description in the Summary).

There are 8 Circular features in this image (see description in the Glossary). Some of these are interesting in that they exist in two separate groups of three plus 2 independent circular features.

There is 1 surface feature mapped as a current indicator.

Weather compliancy for this scene is marginal however, mapping of slicks was performed over the entire image area.

ERS satellite scene ERS2 WO 01907-07.

There are no Level 2 or Level 3 slicks in this image.

There are 11 Level 4 slicks in this image but 6 are false slicks (see description in the Summary).

There are 8 Circular features in this image (see description in the Glossary). Some of these are interesting in that they exist in two separate groups, one of four and the other of two plus 2 independent circular features.

There are 8 surface features mapped — all current and swell indicators.

Weather compliancy for this scene is very good and mapping of slicks was performed over the entire image area.

ERS satellite scene ERS2 WO 01907-08.

There are no Level 2 or Level 3 slicks in this image.

There is 1 Level 4 slick in this image (see description in the Summary).

There are 9 surface features mapped — all current and swell indicators.

Weather compliancy for this scene is very good and mapping of slicks was performed over the entire image area.

Radarsat SAR interpretations:

Radarsat satellite scene Radarsat 1 WO 01925-03.

There are no Level 2 or Level 3 slicks in this image.

There are 4 Level 4 slicks in this image (see description in the Summary).

There is 1 Circular feature in this image (see description in the Glossary).

There are 16 surface features mapped ranging from current and swell indicators to ship wakes.

Weather compliancy for this scene is good and mapping of slicks was performed over the entire image area.

Radarsat satellite scene Radarsat 1 WO 01925-04.

There are no Level 2 or Level 3 slicks in this image.

There are 11 Level 4 slicks in this image but 9 are false slicks (see description in the Summary).

There are 12 surface features mapped ranging from current and swell indicators to ships and their wakes.

Weather compliancy for this scene is good and mapping of slicks was performed over the entire image area.

Radarsat satellite scene Radarsat 1 WO 01925-05.

There are no Level 2 or Level 3 slicks in this image.

There are 24 Level 4 slicks in this image but 16 are false slicks (see description in the Summary).

There are 11 Circular features in this image (see description in the Glossary). Some of these are interesting in that they exist in two separate groups, one of four and the other of two plus 4 independent circular features with one of these appearing to have a Level 4 slick within it.

There are 27 surface features mapped ranging from current and swell indicators to ships and their wakes.

Weather compliancy for this scene is good and mapping of slicks was performed over the entire image area.

Radarsat satellite scene Radarsat 1 WO 01925-06.

There are no Level 2 or Level 3 slicks in this image.

There are 8 Level 4 slicks in this image but 16 are false slicks (see description in the Summary).

There are 7 Circular features in this image (see description in the Glossary). Some of these are interesting in that they exist in two separate groups, one of three with one of these appearing to have a Level 4 slick within it and the other of two, plus 2 independent circular features.

There are 18 surface features mapped ranging from current and swell indicators to ships and their wakes.

Weather compliancy for this scene is very good and mapping of slicks was performed over the entire image area.

GLOSSARY OF SLICK AND OTHER INTERPRETATIONS.

Slicks.

As noted above, observed slicks have been assigned categories ranging from Level 2 to Level 4 but no locations of the sources of each slick have been provided. For slicks in open ocean, this is largely because of the great depth to sea floor that makes the assigning of slick sources meaningless. Level 4 slicks are not generally assigned a possible source due to the normally spurious nature of such slicks.

Level 1 slicks are reserved for those that have been verified with on-the-spot sampling at the time of the satellite overpass. As no sampling was undertaken, there are no Level 1 slicks for any of the scene interpretations provided.

Level 2 slicks are those that appear most likely to be hydrocarbon slicks without actual field verification.

Level 3 indicates that there appears to be a slick of one type or another but it is not possible to make any definite determination of what it is. *Level 3 slicks however should not necessarily be discounted except perhaps where they are directly affected by storm activity.*

Level 4 indicates that there is possibly a slick of some type but it is not possible to make any definite determination of the existence of each, let alone what each is. All slicks at this level should be treated with some caution.

All slicks are mapped as either polygons or polylines. Polylines represent a trace of an anomaly (thin, sinuous slicks) on the sea surface and have all been assigned a Level 4 category.

Level 2 slicks are displayed in red, Level 3 slicks in green and Level 4 slicks in Blue. Circular (or Ring) Features are displayed in Yellow. Other Surface Features are displayed in cyan.

Circular / Ring Structures.

It has not yet been proven what the ring or circular structures observed and mapped are as there is no data or research information to compare them with. There is evidence though that other organisations have observed such features. Given the general location and size of these features, they appear not to be related to storm activity, ocean currents or turbidity. As observed and mapped in previous projects, they appear to be of a physical nature. The general consensus is that they are most probably gas bubbles or upwellings of fresh water although some may be attributed to eddies.

Other Interpretations.

Currents and other sea-surface anomalies and ships have also been mapped and provided in separate layers.

PROCESSES:

Data:

All the ERS and Radarsat scenes have been provided orthorectified as per the ACRES data reports meaning that all were processed to ACRES rectification procedure 5.1.1 to locate each scene. It should be noted though that while the four ERS scenes and one Radarsat scene that include areas of land appear to be accurately located (with reference to the coastline vector data), **one Radarsat scene that includes an area of land is not as well located.** It should also be noted that there is no way of knowing how well located the ERS and Radarsat scenes without land areas are located.

Image Processing:

A normal characteristic of satellite SAR data is the change in radar reflectance angle across track of each image. To overcome this problem, several different image enhancements are provided for each scene. These generally include images enhanced for the western, central and eastern sides of each image but may also or in place of include other enhancements depending on scene requirements.

Each scene has also been processed to provide standard raw data images and 3x3 & 5x5 box filtered images.

The Geotiff images are named with the following nomenclature:

Satellite Work Order number Filtering type (if appropriate) Area of enhancement

The “Area of enhancement” is named by the following:

- E – eastern area of image enhanced,
- C – central area enhanced,
- W - western area enhanced,
- C&E – both central and eastern area enhanced for those scenes including land,
- CE – central and eastern area enhanced,
- CW – central and western area enhanced,
- SE – south eastern area enhanced,
- SW – south western area enhanced,
- SC – south central area enhanced,
- NC – north central area enhanced,
- NE – north east area enhanced and
- NW – north west area enhanced.

Each of the Geotiff images provided on DVD are listed in the table supplied in Appendix II.

Interpretation and Analysis:

Initially, all images were set up in MapInfo GIS. From here, the data was analysed, interpretations made and slick, etc features mapped for each image in turn.

After all the interpretations were completed, a category assessment was made of each slick and other features observed and mapped and each plotted slick, etc attributed as described in the Summary. All interpretations have been ported to (and verified in) ArcGIS.

The analysis and interpretations were performed without reference to any previous interpretations and nor to any other data. After the initial interpretations were completed, the interpretations were completely reviewed with reference to bathymetry and well location data.

Each ArcGIS interpretation layer provided on DVD are listed in the table supplied in Appendix II.

DISCLAIMER:

This work carried out is desktop based only and should be used as a guide only. The interpretation and analysis provided for this project is based on the author's knowledge and previous experience interpreting and analysing similar data of other areas, not on what may or may not be the case over the area of interest. As such, no responsibility is held by the author or by Image Analysis & Mapping Pty Ltd for any discrepancies, errors, omissions or inaccuracies with the interpretation, analysis or mapping of the data provided.

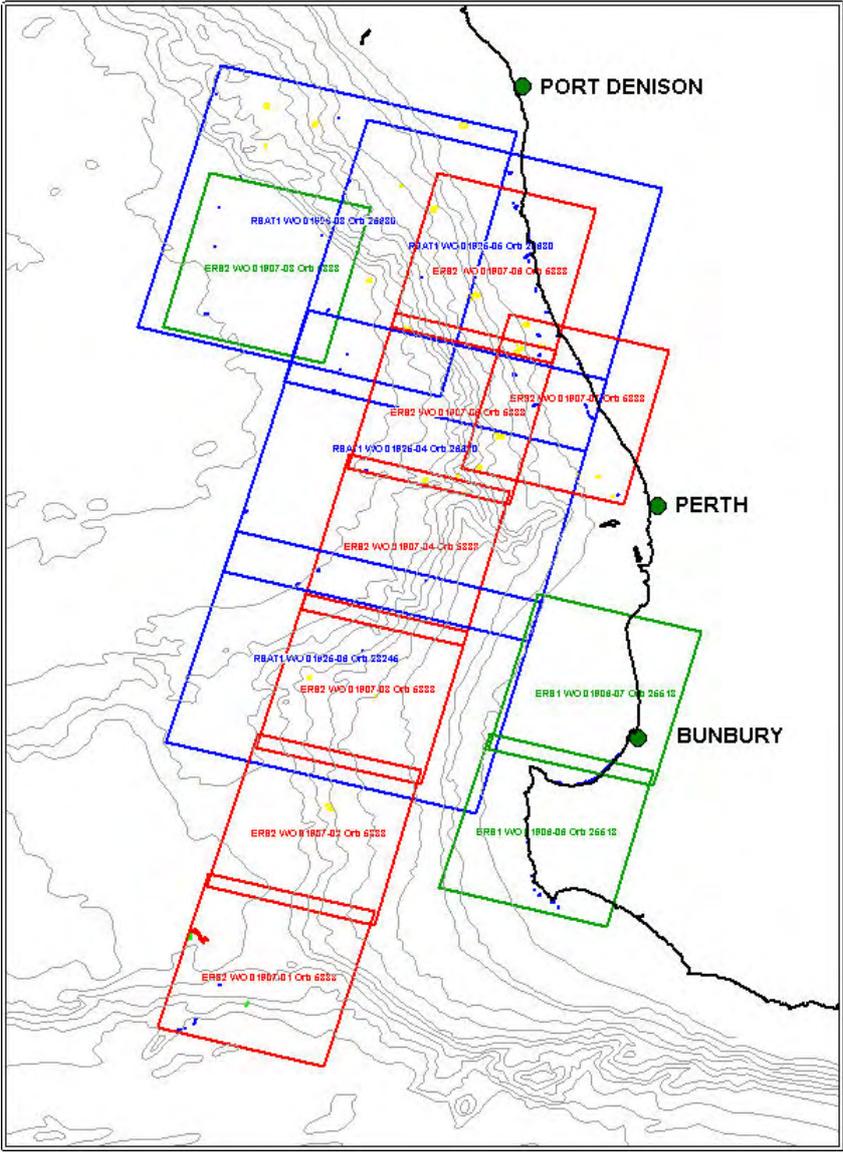
CONTACT DETAILS:

Robert Cook
Managing Director
Image Analysis & Mapping Pty Ltd
Unit 3, 28 - 30 Grimwade Street
Mitchell ACT 2911

Ph: (61 2) 6253-0355
Fax: (61 2) 6253-1140
Mob: 0416-046-300

Email: rcook@iam.net.au
Web: www.iam.net.au

Figure 1a



Location map of the ten ERS and four RADARSAT satellite SAR scenes. ERS 1 scene locations in green, ERS 2 in red and Radarsat 1 in blue. Bathymetry is shown in grey and the coastline in black.

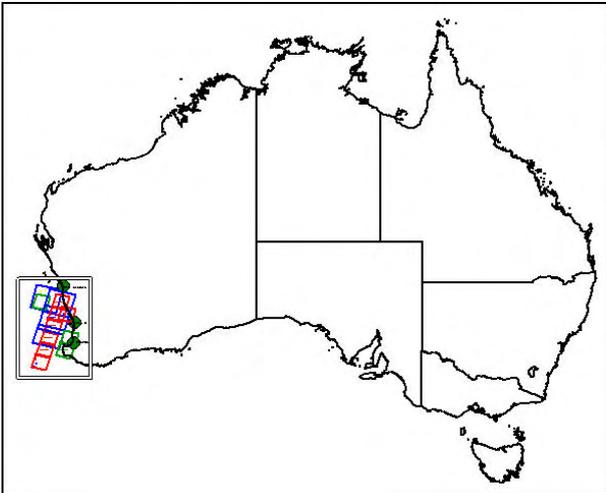
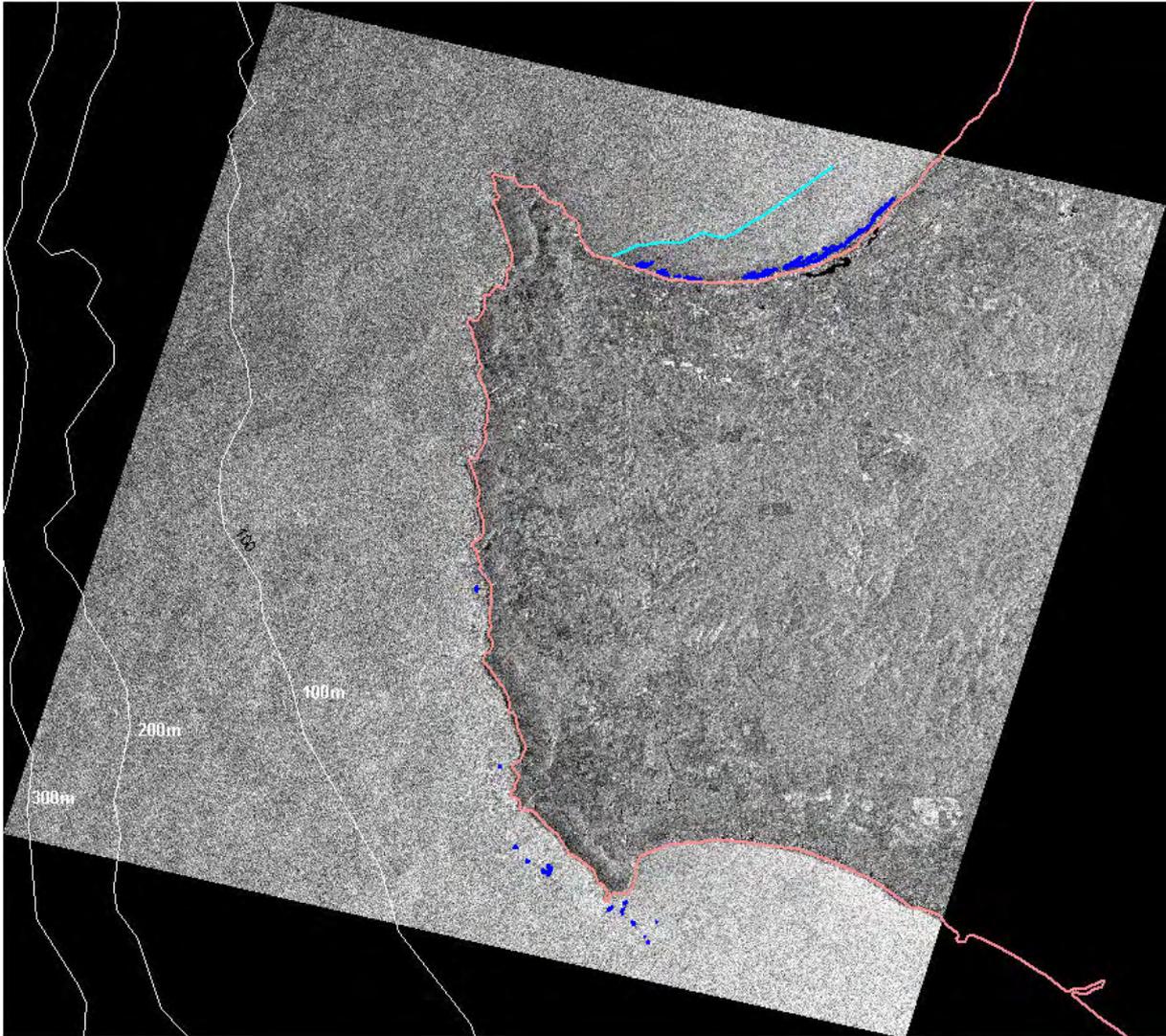


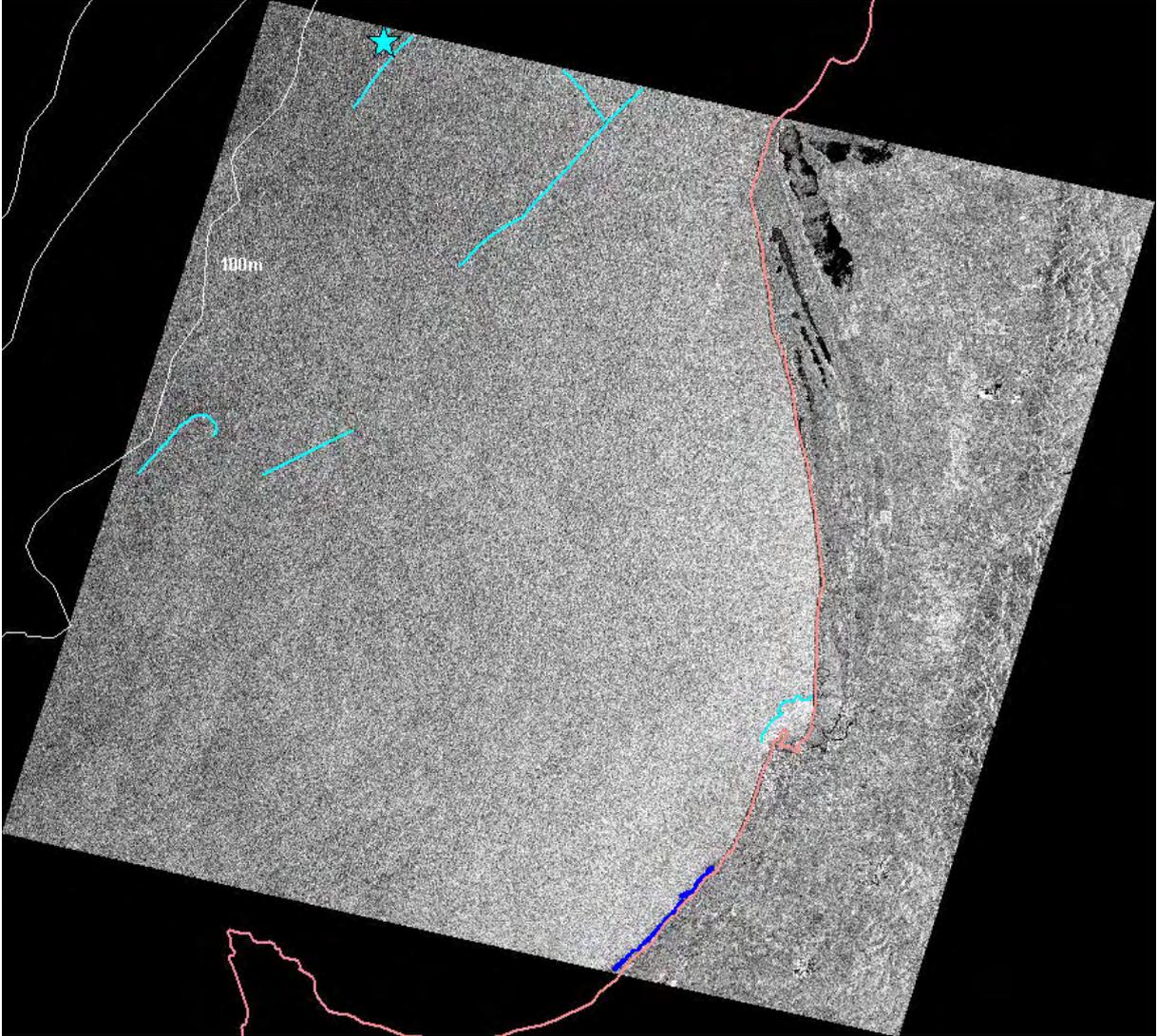
Figure 1b

Figure 2



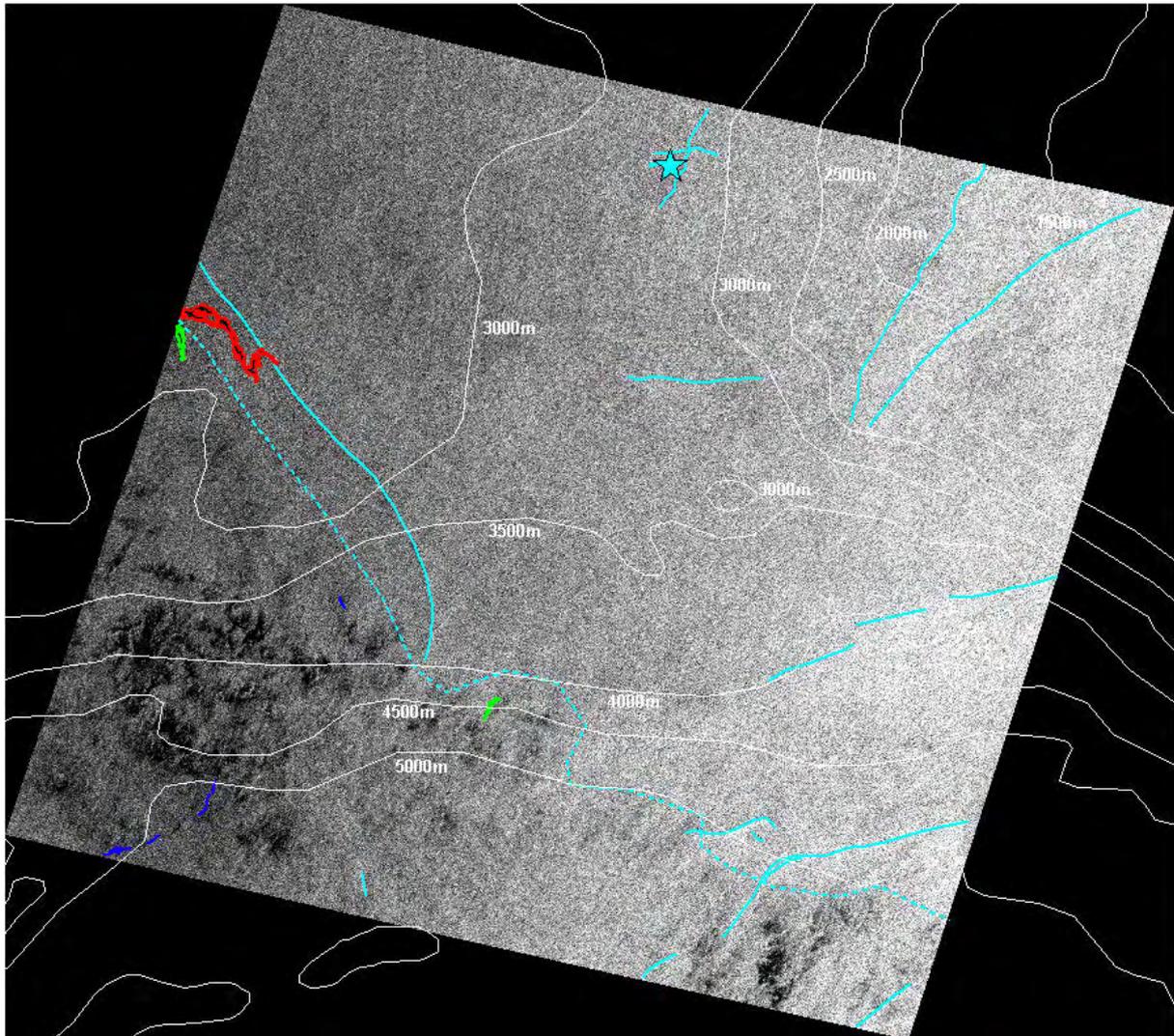
ERS satellite radar scene ERS1 WO 01906-06 (copyright European Space Agency, 1996).

Figure 3



ERS satellite radar scene ERS1 WO 01906-07 (copyright European Space Agency, 1996).

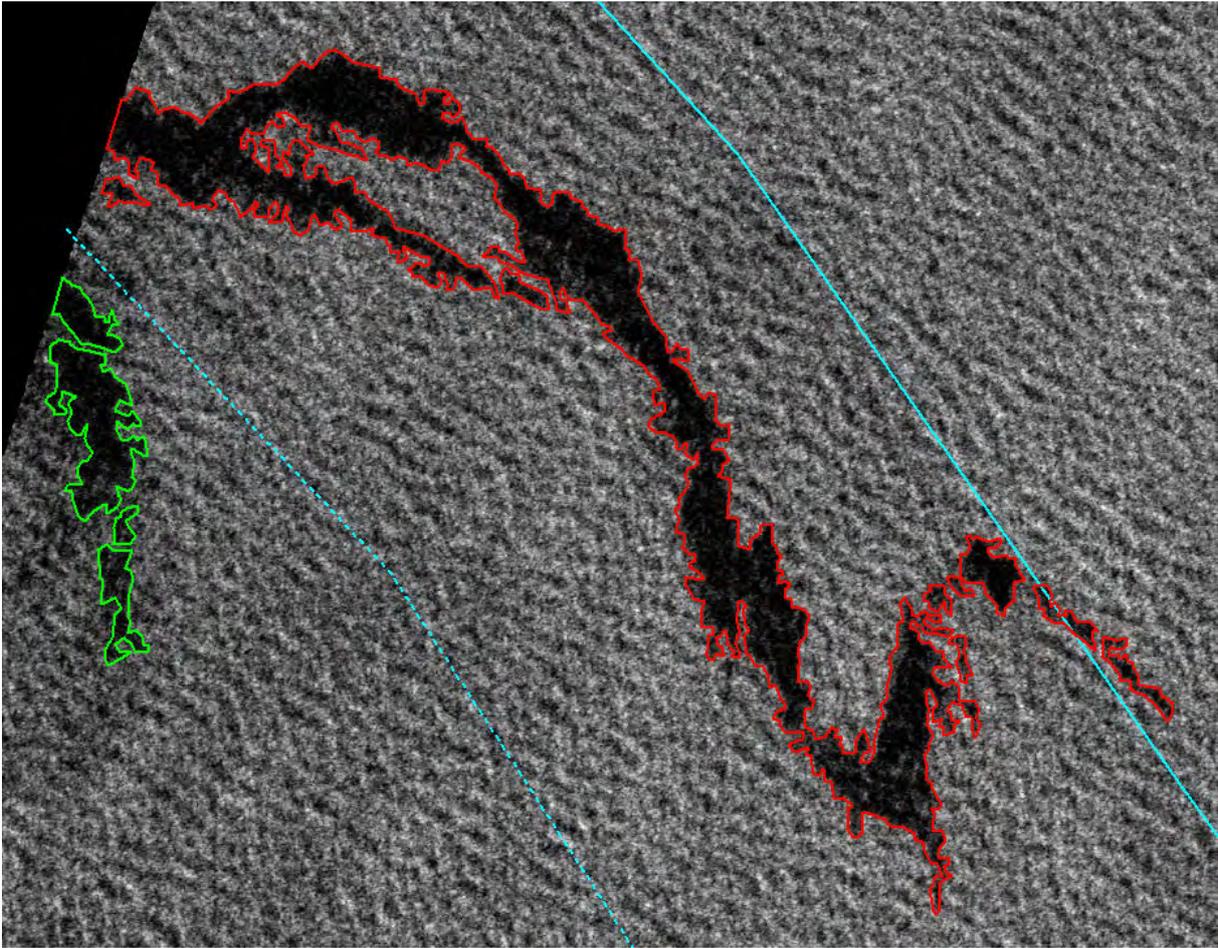
Figure 4



ERS satellite scene ERS2 WO 01907-01 (copyright European Space Agency, 1996). This image has the only Level 2 slick plus two Level 3 slicks.

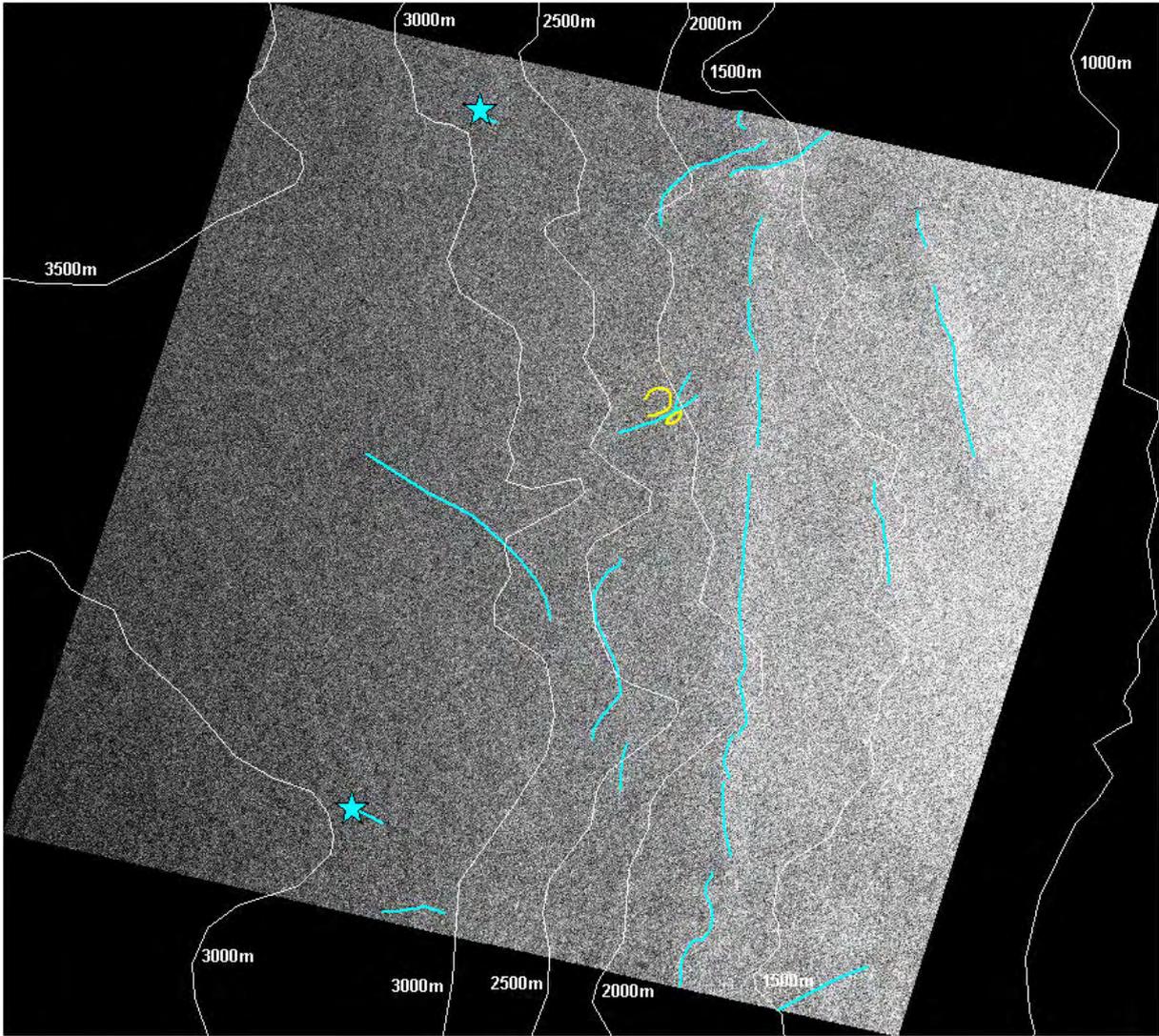
A close-up of this Level 2 slick is on the following page as Figure 4a.

Figure 4a



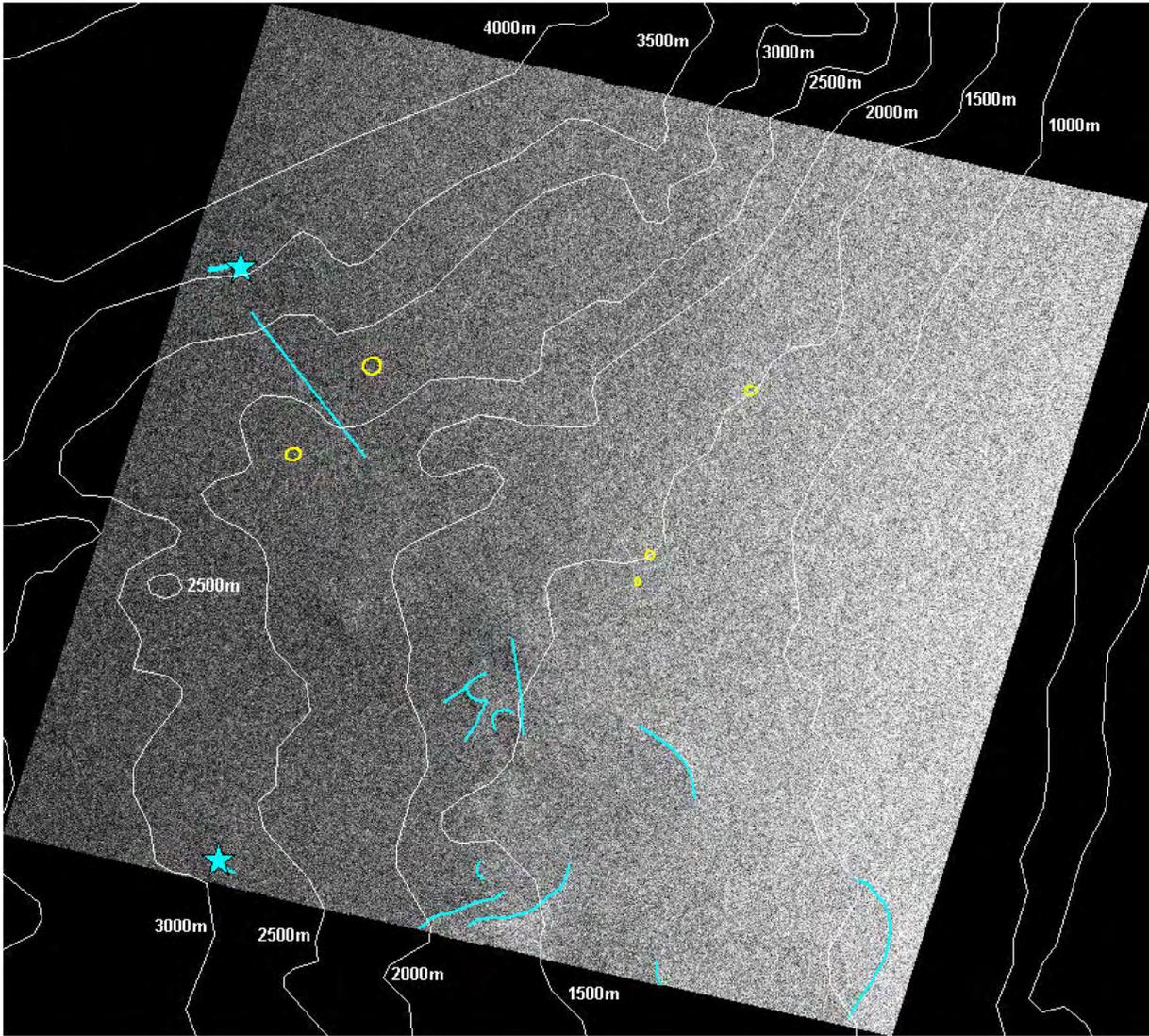
Enlargement of the significant Level 2 slick and a Level 3 slick observed and mapped in ERS satellite scene ERS2 WO 01907-01 (copyright European Space Agency, 1996).

Figure 5



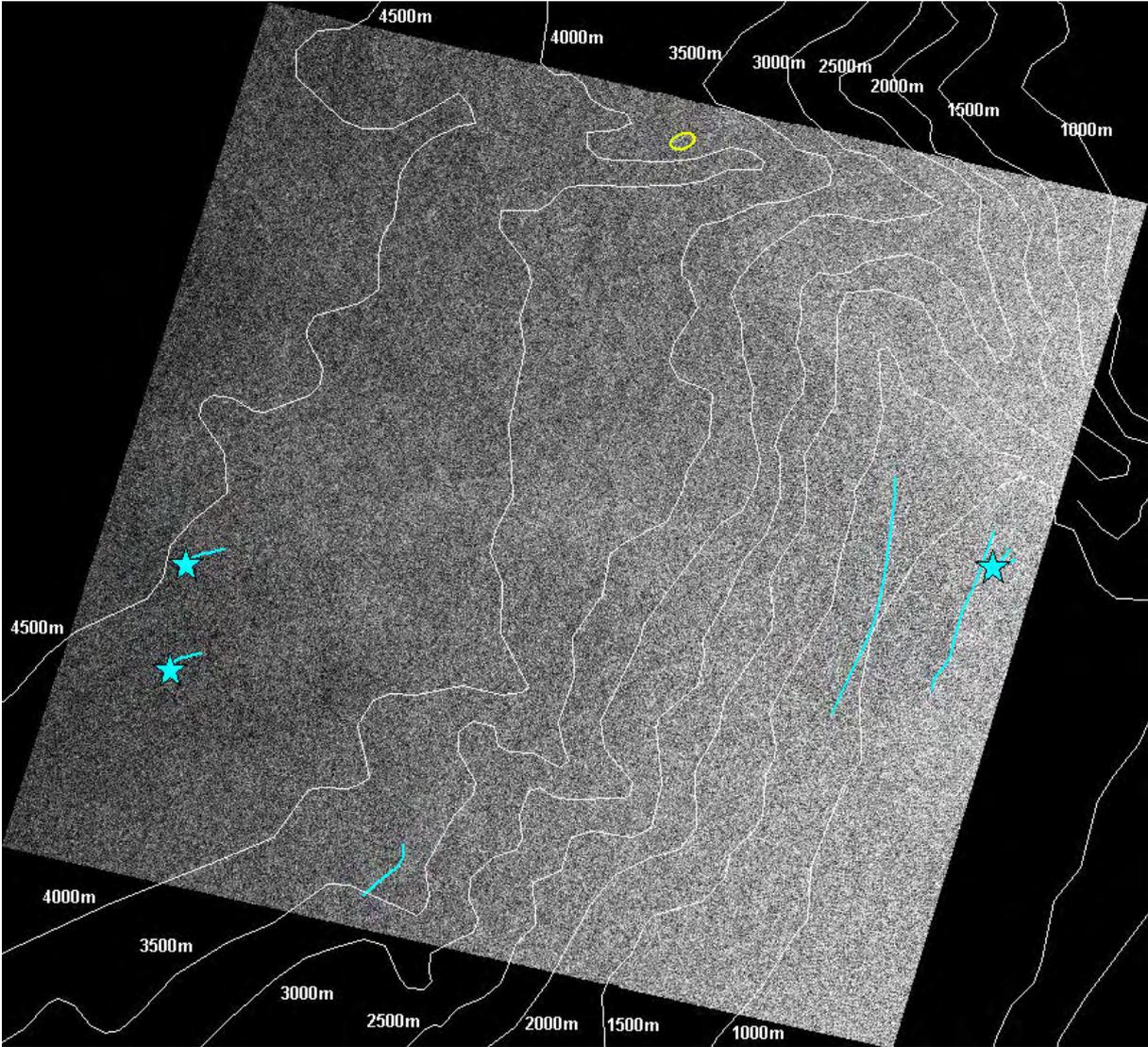
ERS satellite scene ERS2 WO 01907-02 (copyright European Space Agency, 1996).

Figure 6



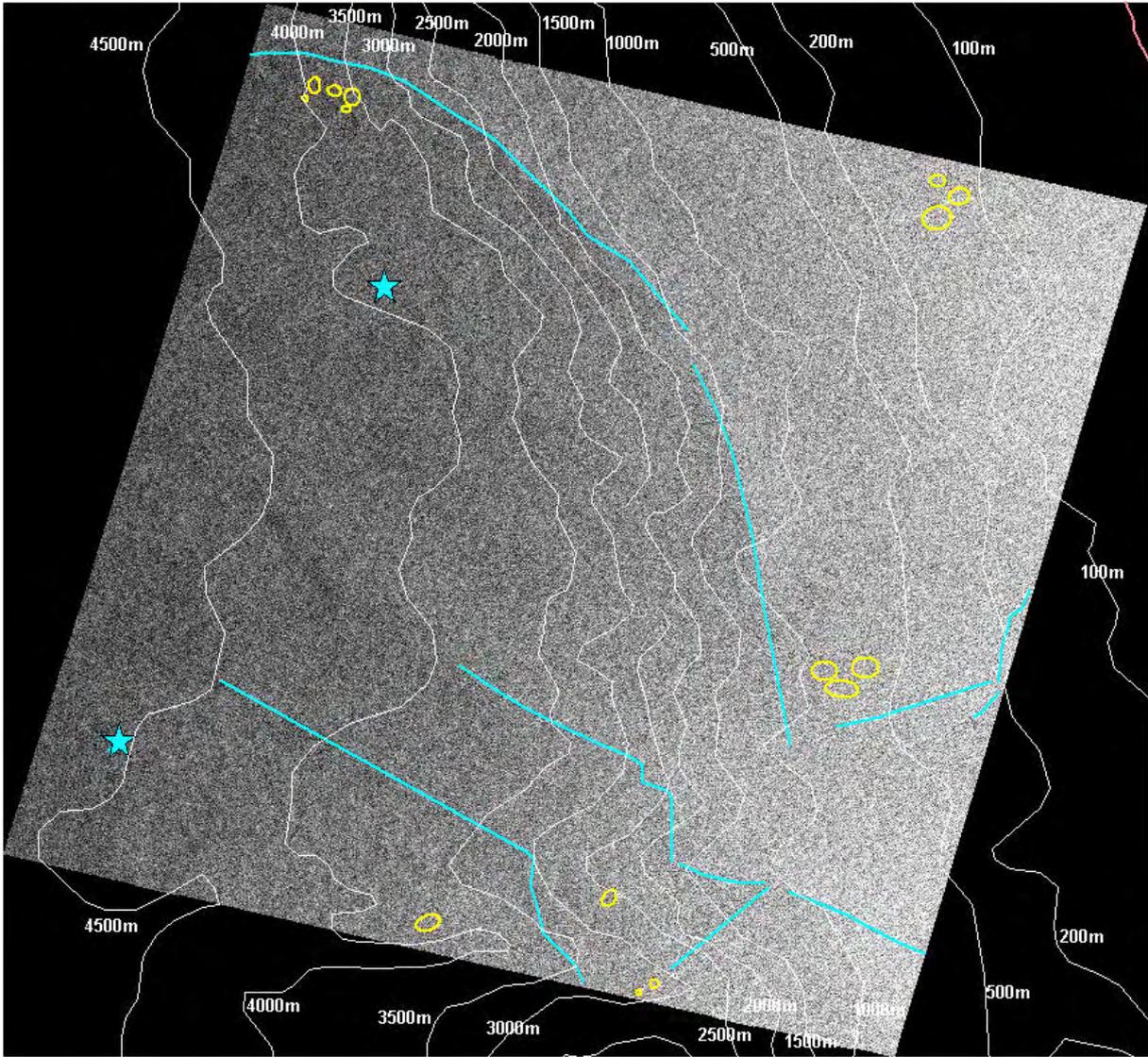
ERS satellite scene ERS2 WO 01907-03 (copyright European Space Agency, 1996).

Figure 7



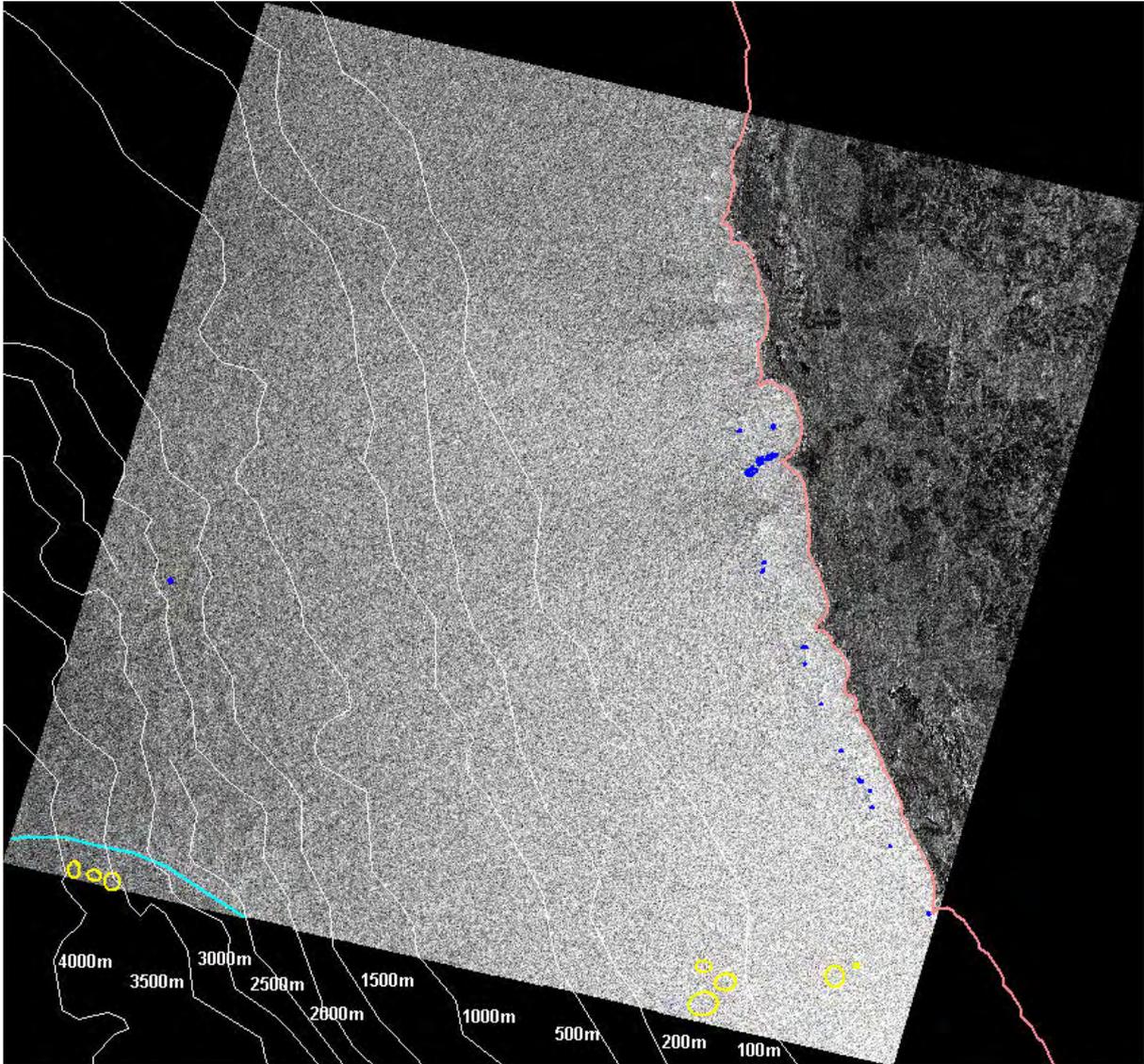
ERS satellite scene ERS2 WO 01907-04 (copyright European Space Agency, 1996).

Figure 8



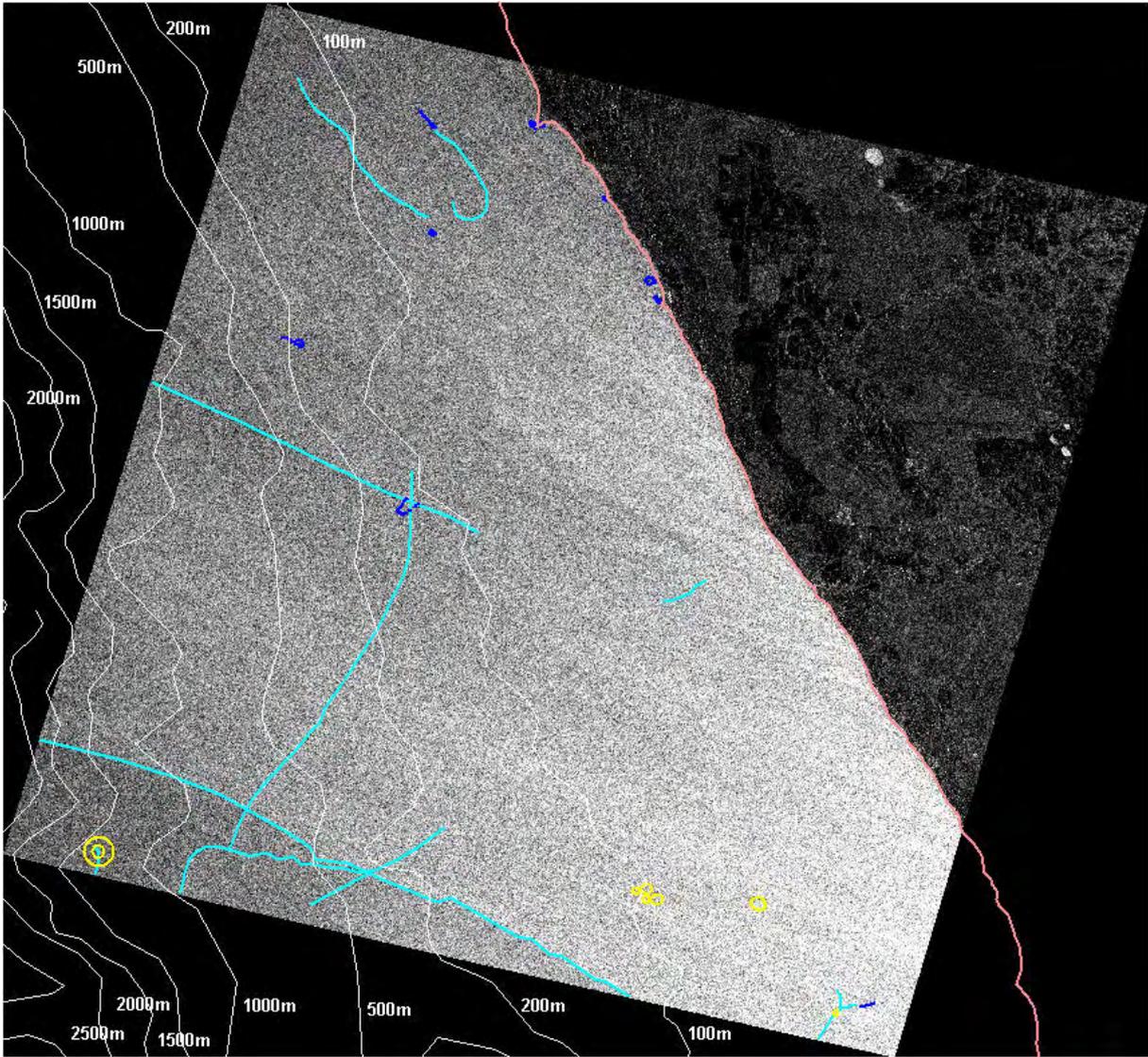
ERS satellite scene ERS2 WO 01907-05 (copyright European Space Agency, 1996).

Figure 9



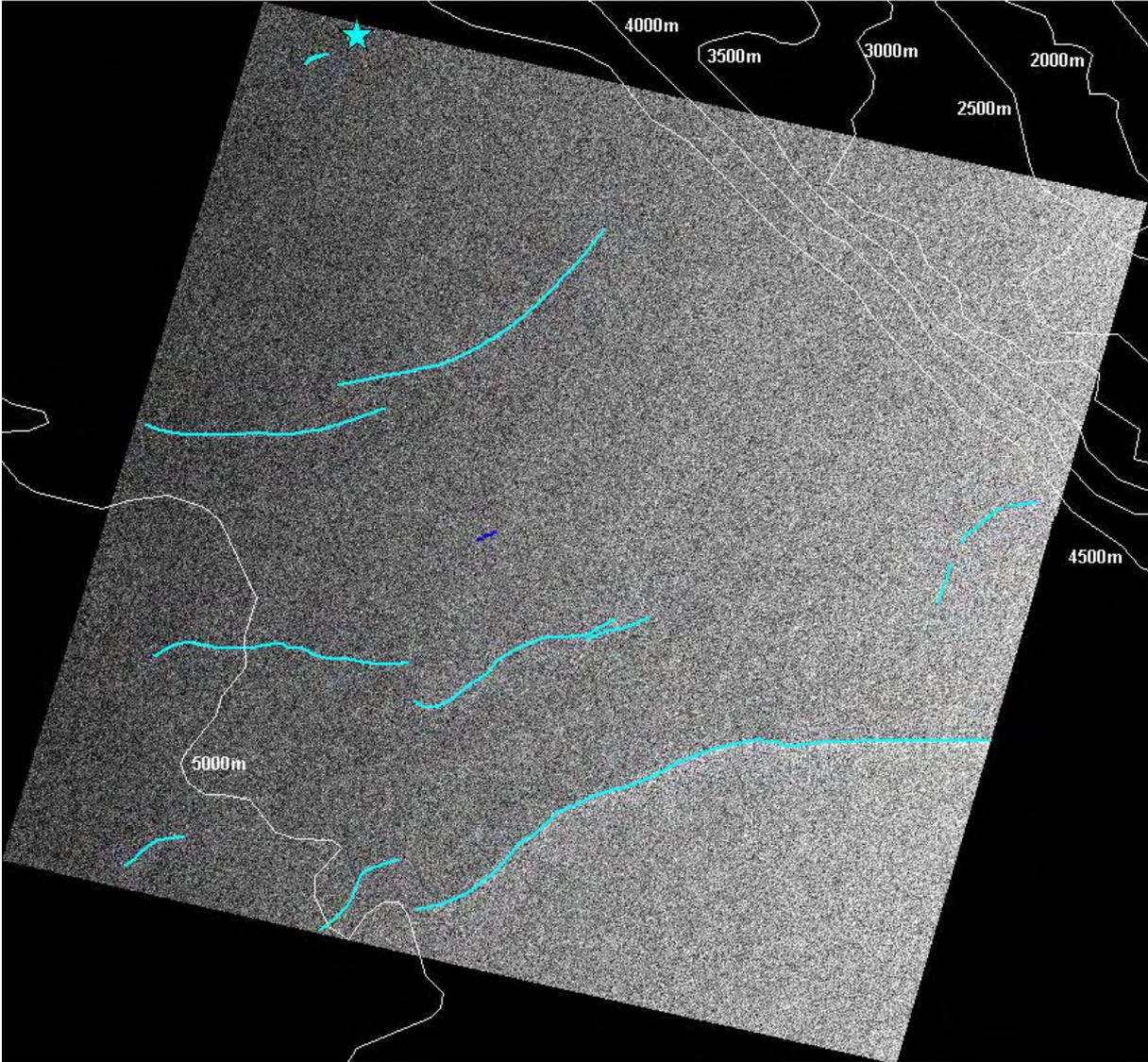
ERS satellite scene ERS2 WO 01907-06 (copyright European Space Agency, 1996).

Figure 10



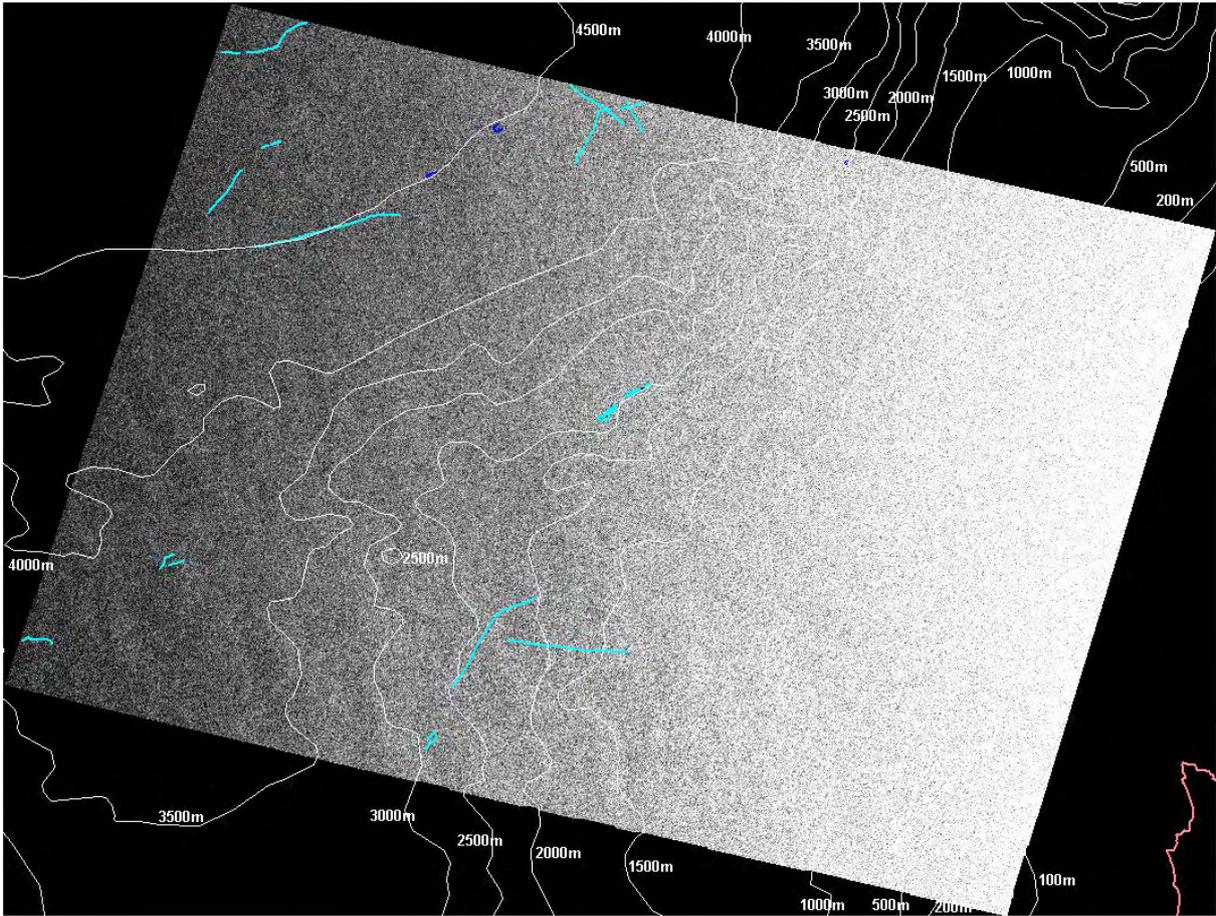
ERS satellite scene ERS2 WO 01907-07 (copyright European Space Agency, 1997).

Figure 11



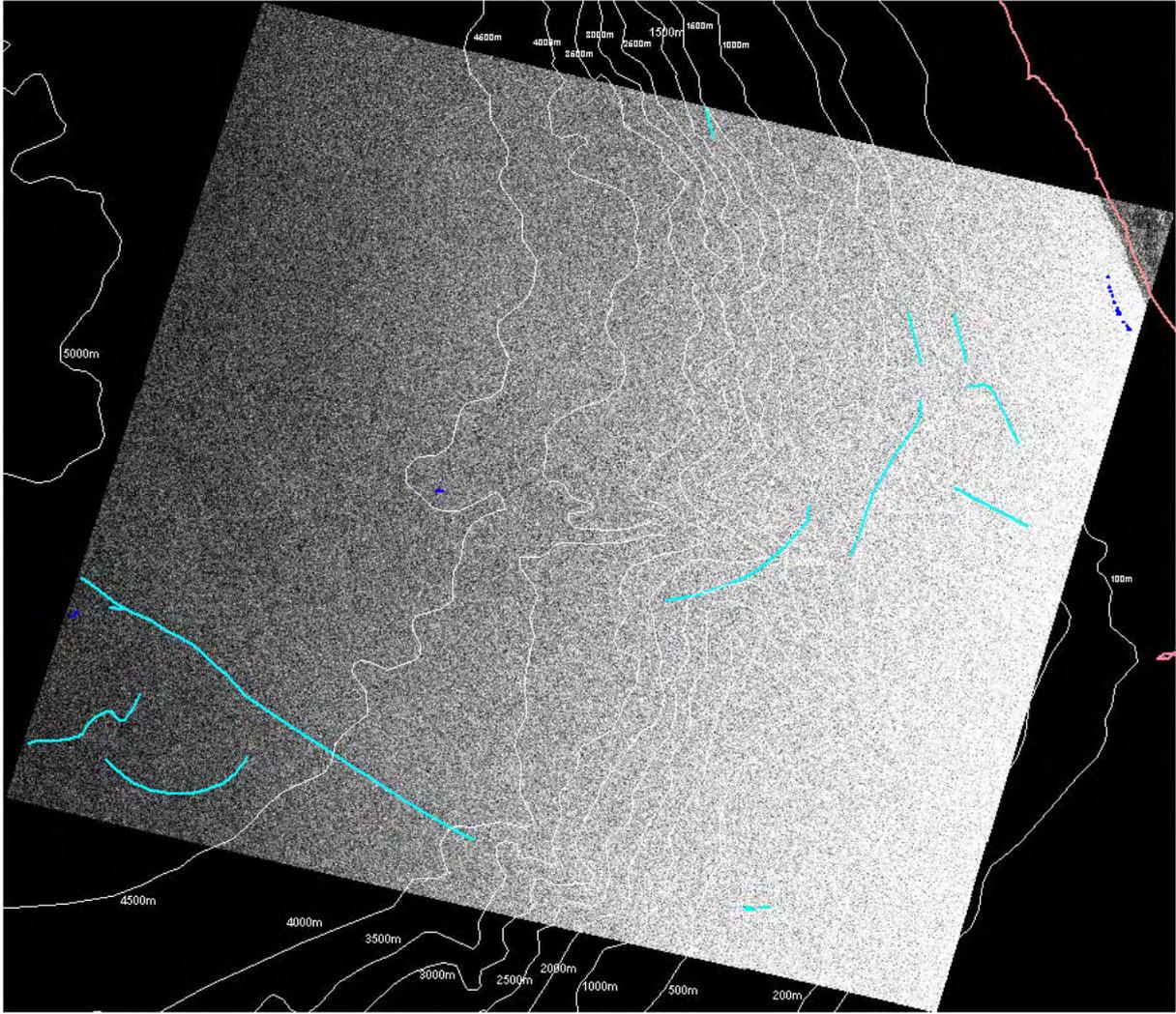
ERS satellite scene ERS2 WO 01907-08 (copyright European Space Agency, 1993).

Figure 12



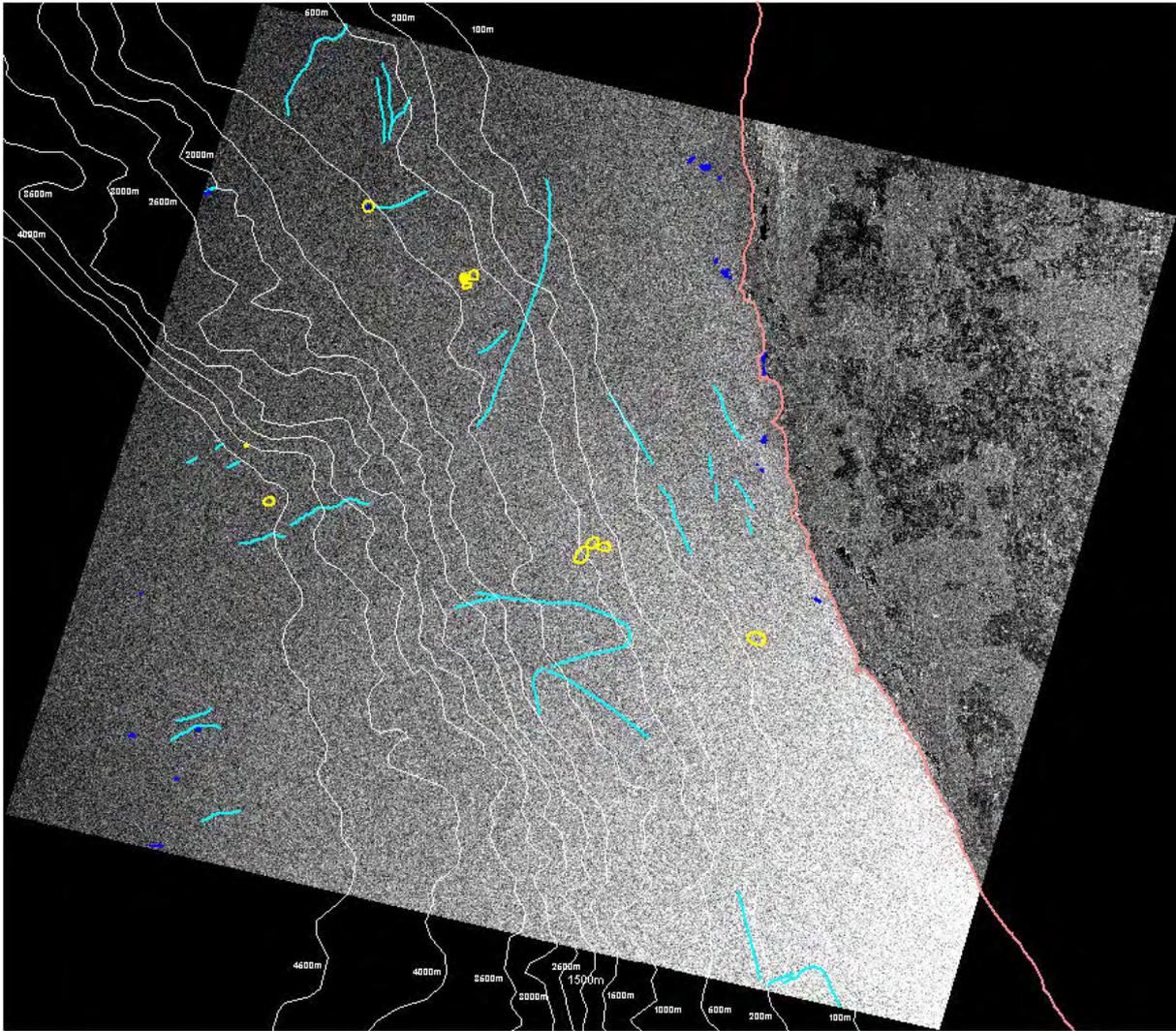
Radarsat satellite scene Radarsat 1 WO 01925-03 (RADARSAT-1 data © CSA, 2005; received and processed by ACRES; distributed by RADARSAT International Inc., a subsidiary of MDA).

Figure 13



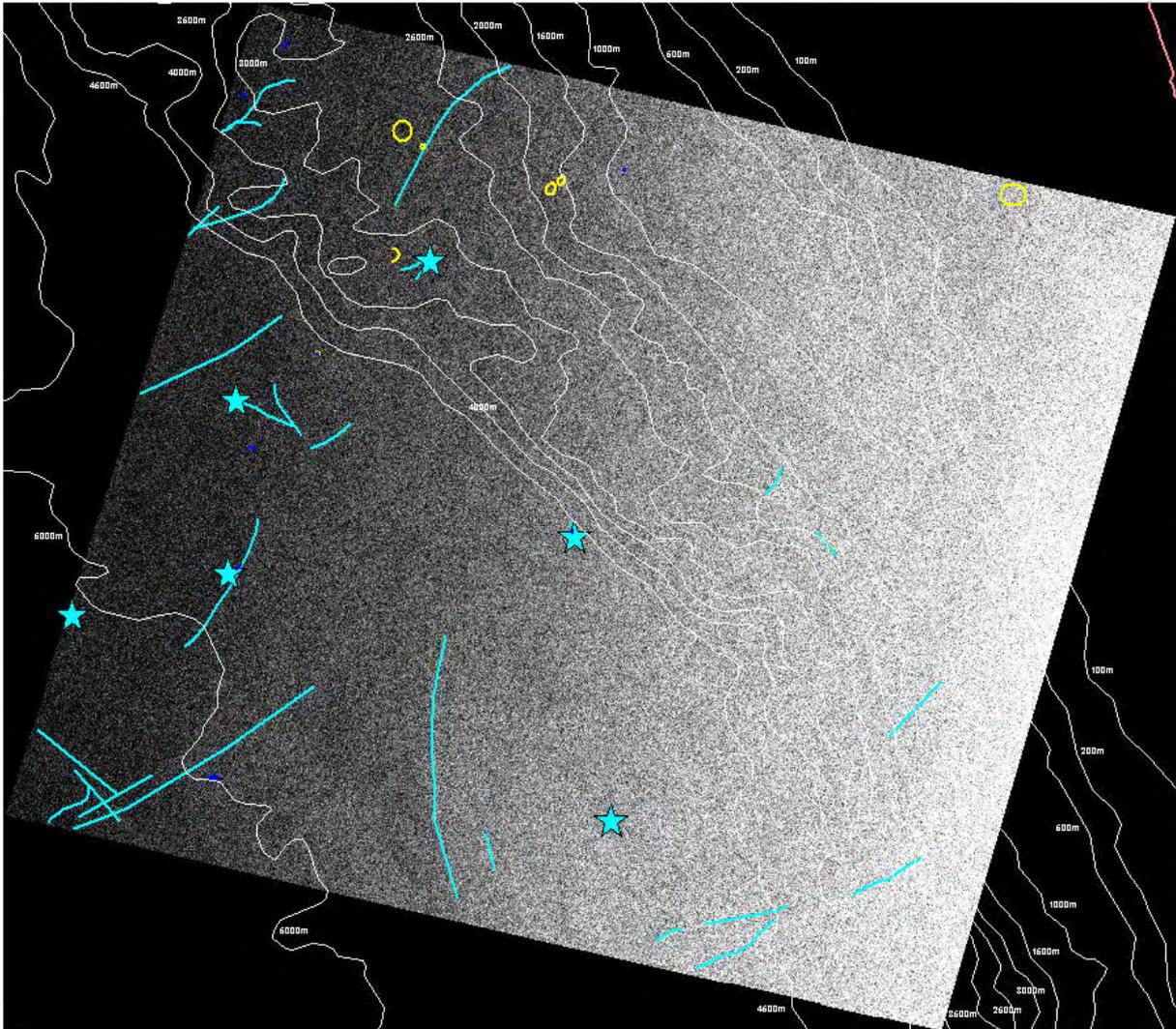
Radarsat satellite scene Radarsat 1 WO 01925-04 (RADARSAT-1 data © CSA, 2005; received and processed by ACRES; distributed by RADARSAT International Inc., a subsidiary of MDA).

Figure 14



Radarsat satellite scene Radarsat 1 WO 01925-05 (RADARSAT-1 data © CSA, 2005; received and processed by ACRES; distributed by RADARSAT International Inc., a subsidiary of MDA).

Figure 15



Radarsat satellite scene Radarsat 1 WO 01925-06 (RADARSAT-1 data © CSA, 2005; received and processed by ACRES; distributed by RADARSAT International Inc., a subsidiary of MDA).

Appendix I
Interpretations of Mapped Slicks and Other Features.

ERS 1 WO 01906-06 Orbit 25513.

Level 4 Slicks.

ID	Slick Level	Slick Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
2	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
3	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
4	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
5	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
6	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
7	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
8	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
9	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
10	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L

11	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
12	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
13	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
14	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
15	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
16	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
17	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
18	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
19	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
20	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
21	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
22	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
23	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
24	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
25	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L

26	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
27	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
28	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
29	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
30	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
31	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface Feature	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Near coastal wind protected zone.	ERS	ERS 1 C	01906-06	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L

ERS 1 WO 01906-07 Orbit 25513.**Level 4 Slicks.**

ID	Slick Level	Slick Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
2	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
3	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
4	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
5	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
6	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
7	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
8	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
9	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
10	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
11	4	False slick - related to near-shore surf break.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface features	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Probably current line.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
2	Large ship with wake.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
3	Northern extent of fresh water outflow from creek.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
4	Probably swell.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
5	Probably current line.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
6	Probably current line but appears to end in an eddy formation at the NE end.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L
7	Probably current line.	ERS	ERS 1 C	01906-07	25513	19960601	South West Margins (offshore WA)	July 2005	IAM P/L

ERS 2 WO 01907-01 Orbit 5883.

Level 2 Slicks.

ID	Slick Level	Slick Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	2	Definite slick most probably of hydrocarbon nature but as it is not the full extent and that it is over very deep water, the source or type is unknown.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

Level 3 Slicks.

ID	Slick Level	Slick Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	3	Appears to be a slick but source or type unknown - maybe storm related.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
2	3	Appears to be a slick but source or type unknown - maybe storm related.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

Level 4 Slicks.

ID	Slick Level	Slick Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	4	Indication of a slick trace but source or type unknown.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
2	4	Indication of a slick trace but source or type unknown.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
3	4	Indication of a slick trace but source or type unknown.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
4	4	Indication of a slick and slick traces but source or type unknown.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface Feature	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Probably a swell.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
2	Probably current line. Strong demarcation may be due to wind shift. Appears to finish in an eddy formation on the eastern end.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
3	Probably current line or maybe swell related.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
4	Probably a swell but maybe storm related.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
5	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
6	Probably current line.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
7	Probably current line.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
8	Probably current line.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
9	Probably current line.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
10	Probably current line.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
11	Probably current line or swell related.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
12	Probably current line.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
13	Northern most extent (approximate only) of storm activity across the bottom quarter of the ERS SAR scene.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

14	Probably current line or swell related.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
15	Ship with wake.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
16	Probably current line.	ERS	ERS 2 C	01907-01	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

ERS 2 WO 01907-02 Orbit 5883.

Circular Structures.

ID	Ring Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Semi-circular structure.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
2	Circular structure.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface Feature	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Probably current line.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
2	Probably current line.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
3	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
4	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
5	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
6	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
7	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
8	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
9	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

10	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
11	Probably current line.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
12	Probably current line.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
13	Probably current line.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
14	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
15	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
16	Probably current line.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
17	Probably current line.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
18	Ship with wake.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
19	Ship with wake.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
20	Probably current or swell lines.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
21	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-02	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

ERS 2 WO 01907-03 Orbit 5883.

Circular Structures.

ID	Ring Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Circular structure.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
2	Circular structure.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
3	Circular structure.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
4	Circular structure.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
5	Circular structure.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface Feature	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
2	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
3	Possibly part of eddy structure.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
4	Probably current line.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
5	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
6	Possibly part of eddy structure.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
7	Possibly part of eddy structure.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
8	Probably current line.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

9	Probably current line.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
10	Probably current line.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
11	Ship with wake.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
12	Ship with wake.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
13	Probably current line.	ERS	ERS 2 C	01907-03	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

ERS 2 WO 01907-04 Orbit 5883.**Circular Structures.**

ID	Ring Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Circular structure.	ERS	ERS 2 C	01907-04	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface Feature	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Probably current line.	ERS	ERS 2 C	01907-04	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
2	Probably current line.	ERS	ERS 2 C	01907-04	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
3	Probably current line.	ERS	ERS 2 C	01907-04	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
4	Ship with wake.	ERS	ERS 2 C	01907-04	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
5	Ship with wake.	ERS	ERS 2 C	01907-04	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
6	Ship with wake.	ERS	ERS 2 C	01907-04	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

ERS 2 WO 01907-05 Orbit 5883.

Circular Structures.

ID	Ring Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Circular structure (adjacent to circular structures 2 & 3).	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
2	Circular structure (adjacent to circular structures 1 & 3).	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
3	Circular structure (adjacent to circular structures 1 & 2).	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
4	Circular structure (adjacent to circular structures 5 & 6).	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
5	Circular structure (adjacent to circular structures 4 & 6).	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
6	Circular structure (adjacent to circular structures 4 & 5).	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
7	Circular structure (adjacent to circular structure 8).	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
8	Circular structure (adjacent to circular structure 7).	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
9	Circular structure.	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
10	Circular structure.	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
11	Circular structure (adjacent to circular structures 12, 13, 14 & 15).	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
12	Circular structure (adjacent to circular structures 11, 13, 14 & 15).	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
13	Circular structure (adjacent to circular structures 11, 12, 14 & 15).	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

14	Circular structure (adjacent to circular structures 11, 12, 13, & 15).	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
15	Circular structure (adjacent to circular structures 11, 12, 13 & 14).		ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface Feature	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Probably current line.	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
2	Probably current line - very subtle feature.	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
3	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
4	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
5	Probably current line but could be a ship's wake.	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
6	Probably a swell.	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
7	Ship with wake.	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
8	Ship but wake not visible - maybe stationary.	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
9	Probably current line - subtle feature.	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
10	Probably current line - subtle feature.	ERS	ERS 2 C	01907-05	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

ERS 2 WO 01907-06 Orbit 5883.

Level 4 Slicks.

ID	Slick Level	Slick Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	4	Indication of a slick but source or type unknown.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
2	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
3	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
4	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
5	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
6	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
7	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
8	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
9	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
10	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
11	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
12	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
13	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

14	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
15	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
16	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
17	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
18	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

Circular Structures.

ID	Ring Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Circular structure (adjacent to circular structures 2 & 3).	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
2	Circular structure (adjacent to circular structures 1 & 3).	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
3	Circular structure (adjacent to circular structures 1 & 2).	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
4	Circular structure (adjacent to circular structures 5 & 6).	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
5	Circular structure (adjacent to circular structures 4 & 6).	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
6	Circular structure (adjacent to circular structures 4 & 5).	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
7	Circular structure (adjacent to circular structures 8).	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L
8	Circular structure (adjacent to circular structures 7).	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface Feature	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-06	5883	19960605	South West Margins (offshore WA)	July 2005	IAM P/L

ERS 2 WO 01907-07 Orbit 10120.**Level 4 Slicks.**

ID	Slick Level	Slick Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	4	Subtle indication of a slick and slick trace but source or type unknown.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
2	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
3	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
4	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
5	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
6	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
7	4	False slick - related to near-shore surf break.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
8	4	Indication of a slick trace but source or type unknown.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
9	4	Indication of a slick but source or type unknown.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
10	4	Subtle indication of a slick and slick traces but source or type unknown.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
11	4	Subtle indication of a slick and slick traces but source or type unknown.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L

Circular Structures.

ID	Ring Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Circular structure.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
2	Circular structure (adjacent to circular structures 3, 4 & 5).	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
3	Circular structure (adjacent to circular structures 2, 4 & 5).	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
4	Circular structure (adjacent to circular structures 2, 3 & 5).	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
5	Circular structure (adjacent to circular structures 2, 3, & 4).	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
6	Circular structure with a smaller circular structure within (#8).	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
7	Circular structure with a smaller circular structure within (#7).	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
8	Circular structure.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface Feature	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Probably current or swell line.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
2	Possibly an indication of an eddy.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
3	Probably current lines.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L

4	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
5	Probably current line. Also indicative direction and extent of very large period ocean swells.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
6	Possibly current lines but appear to be associated with a circular structure (#8).	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
7	Possibly current lines but appear to be associated with an eddy.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L
8	Probably current lines.	ERS	ERS 2 C	01907-07	10120	19970328	South West Margins (offshore WA)	July 2005	IAM P/L

ERS 1 WO 01907-08 Orbit 8722.**Level 4 Slicks.**

ID	Slick Level	Slick Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	4	Indication of a slick trace but source or type unknown.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface Feature	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Probably current line. Strong demarcation may be due to wind shift.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L
2	Probably current line.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L
3	Probably current line.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L
4	Probably a swell or current line.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L
5	Probably current line.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L
6	Probably current line.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L
7	Probably current line.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L
8	Probably a swell.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L
9	Probably a swell.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L

10	Probably a swell.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L
11	Probably current line.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L
12	Ship with wake.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L
13	Ship's wake but ship not visible.	ERS	ERS 1 C	01907-08	8722	19930317	South West Margins (offshore WA)	July 2005	IAM P/L

RADARSAT 1 WO 01925-03 Orbit 26630.

Level 4 Slicks.

ID	Slick Level	Slick Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	4	Indication of a slick but source or type unknown.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
2	4	Indication of a slick but source or type unknown.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
3	4	Indication of a slick trace but source or type unknown.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
4	4	Indication of a slick within a circular structure.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

Circular Structures.

ID	Ring Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Circular structure with a Level 4 slick within.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface Feature	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Probably NW swell.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
2	Probably NW swell.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
3	Probably current line.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

4	Probably current line.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
5	Probably current line.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
6	Probably NW swell.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
7	Probably NW swell.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
8	Probably current line.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
9	Probably current line or possible ship's wake.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
10	Probably current line or possible ship's wake.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
11	Probably NW swell.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
12	Probably current line or possible ship's wake.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
13	Probably current line.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
14	Probably current line.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
15	Unknown but probably related to the circular structure with the Level 4 slick within.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
16	Unknown but probably related to #15.	Radarsat 1	W1 C	01925-03	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

RADARSAT 1 WO 01925-04 Orbit 26630.

Level 4 Slicks.

ID	Slick Level	Slick Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	4	Indication of a slick trace but source or type unknown.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
2	4	Indication of a slick but source or type unknown.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
3	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
4	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
5	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
6	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
7	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
8	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
9	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
10	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
11	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface Feature	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Probably a swell.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
2	Probably current line.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
3	Probably current line.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
4	Ship wake but ship unseen.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
5	Probably current line.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
6	Probably current line.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
7	Probably current line.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
8	Probably current line.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
9	Probably current line.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
10	Probably current line.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
11	Probably current line.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
12	Probably current line.	Radarsat 1	W1 C	01925-04	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

RADARSAT 1 WO 01925-05 Orbit 26630.

Level 4 Slicks.

ID	Slick Level	Slick Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	4	Indication of a slick but source or type unknown.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
2	4	Indication of a slick but source or type unknown.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
3	4	Indication of a slick but source or type unknown.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
4	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
5	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
6	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
7	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
8	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
9	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

10	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
11	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
12	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
13	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
14	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
15	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
16	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
17	4	Indication of a slick trace but source or type unknown.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
18	4	Indication of a slick trace but source or type unknown.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
19	4	Indication of a slick but source or type unknown.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
20	4	Indication of a slick adjacent to ship's wake - source or type unknown but could be a pollution slick from ship.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

21	4	Strong indication of a slick location within a circular structure but source or type unknown.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
22	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
23	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
24	4	False slick - related to near-shore surf break.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

Circular Structures.

ID	Ring Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Circular structure.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
2	Circular structure with a smaller circular structure inside - see #10. Adjacent to #'s 3 & 11	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
3	Circular structure. Adjacent to #'s 2, 10 & 11	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
4	Circular structure. Adjacent to #'s 5 & 6.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
5	Circular structure. Adjacent to #'s 4 & 6.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
6	Circular structure. Adjacent to #'s 4 & 5.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
7	Circular structure.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

8	Circular structure.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
9	Circular structure with a Level 4 slick inside.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
10	Circular structure inside larger circular structure - see #2. Adjacent to #'s 3 & 11	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
11	Circular structure. Adjacent to #'s 2, 3 & 10	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface Feature	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Probably NW swell	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
2	Probably NW swell	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
3	Probably current line.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
5	Probably current line.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
7	Probably current line - may be associated with #9.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
8	Probably current line.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
9	Probably a current effect - two lines with darker reflectance between - may be associated with #7.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
10	Probably current line.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
11	Probably current line.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

12	Probably current line.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
13	Probably current line.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
14	Probably swell or large wave approaching coast.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
15	Probably swell or large wave approaching coast.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
16	Probably swell or large wave approaching coast.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
17	Probably swell or large wave approaching coast.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
18	Probably swell or large wave approaching coast.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
19	Probably swell or wave.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
20	Probably swell or wave.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
21	Probably swell	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
22	Surface feature - looks like a ship's wake (slick adjacent).	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
23	Probably swell or current line.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
24	Probably NW swell	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
25	Probably NW swell	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
26	Probably current line.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

27	Probably NW swell	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
6	Probably NW swell	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L
4	Probably current line but complex.	Radarsat 1	W1 C	01925-05	26630 Desc	20001210	South West Margins (offshore WA)	July 2005	IAM P/L

RADARSAT 1 WO 01925-06 Orbit 26630.

Level 4 Slicks.

ID	Slick Level	Slick Description	Satellite	SAR type and band	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	4	Strong indication of a slick but source or type unknown.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
2	4	Indication of a slick but source or type unknown.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
3	4	Indication of a slick but source or type unknown - possibly pollution.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
4	4	Strong indication of a slick but source or type unknown.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
5	4	Strong indication of a slick location within a circular structure but source or type unknown.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
6	4	Indication of a slick but source or type unknown.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
7	4	Indication of a slick but source or type unknown - possibly pollution.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
8	4	Indication of a slick along edge of ship's wake - source or type unknown but possibly pollution slick from ship.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L

Circular Structures.

ID	Ring Description	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Expression of a circular structure with a Level 4 slick contained within.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
2	Expression of a circular structure adjacent to #3.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
3	Expression of a circular structure adjacent to #2.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
4	Expression of a semicircular structure.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
5	Expression of a circular structure adjacent to #6.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
6	Expression of a circular structure adjacent to #5.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
7	Expression of a circular structure.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L

Surface Features.

ID	Surface Feature	Satellite	SAR type and beam	Work Order	Orbit Number	Scene Date	Area	Interp Date	Company
1	Surface expression - probably a current edge.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
2	Surface expression - probably a southern swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
3	Surface expression - probably a swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
4	Surface expression - probably a southern swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L

5	Surface expression - probably a swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
6	Surface expression - probably a swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
7	Surface expression - probably a swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
8	Surface expression - possibly a swell or eddy formation.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
9	Surface expression - probably a swell or current edge.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
10	Surface expression - probably a swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
11	Surface expression - probably a swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
12	Surface expression - probably a swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
13	Surface expression - probably a swell or current edge.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
14	Surface expression - probably a swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
15	Surface expression - probably a southern swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
16	Ship with wake and a slick-like feature along one edge of the wake - probably indicates a change in surface tension related to the wake.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
17	Ship.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
18	Ship with wake.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L

19	Ship with wake.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
20	Surface expression - probably a swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
21	Surface expression - possibly a swell or eddy formation.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
22	Ship with wake.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
23	Surface expression - probably a swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
24	Surface expression - probably a swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
25	Surface expression - probably a swell.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
26	Surface expression - possibly a swell or eddy formation.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
27	Surface expression - probably a swell or current edge.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
28	Surface expression - possibly a swell or eddy formation.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
29	Ship with wake.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L
30	Surface expression - probably a swell or current edge.	Radarsat 1	W1 C	01925-06	28245 Desc	20010402	South West Margins (offshore WA)	July 2005	IAM P/L

Appendix II

List of ERS and Radarsat SAR Geotiff Processed Images & ArcGIS Layer Data Provided.

Geotiff Images Provided:

\ERS1 WO 01906-06 Orb 25513

ERS1 WO 01906-06 3X3 C&E
ERS1 WO 01906-06 3X3 W
ERS1 WO 01906-06 5x5 C&E
ERS1 WO 01906-06 5X5 W
ERS1 WO 01906-06 C&E
ERS1 WO 01906-06 W

\ERS1 WO 01906-07 Orb 25513

ERS1 WO 01906-07 3x3 C&E
ERS1 WO 01906-07 3x3 W
ERS1 WO 01906-07 5x5 C&E
ERS1 WO 01906-07 5x5 W
ERS1 WO 01906-07 C&E
ERS1 WO 01906-07 W

\ERS1 WO 01907-08 Orb 5883

ERS1 WO 01907-08 3X3 C
ERS1 WO 01907-08 3X3 E
ERS1 WO 01907-08 3X3 W
ERS1 WO 01907-08 5X5 C
ERS1 WO 01907-08 5X5 E
ERS1 WO 01907-08 5X5 W
ERS1 WO 01907-08 C
ERS1 WO 01907-08 E
ERS1 WO 01907-08 W

\ERS2 WO 01907-01 Orb 5883

ERS2 WO 01907-01 3X3 C
ERS2 WO 01907-01 3X3 E
ERS2 WO 01907-01 3X3 SW
ERS2 WO 01907-01 3X3 W
ERS2 WO 01907-01 5X5 C
ERS2 WO 01907-01 5X5 E
ERS2 WO 01907-01 5X5 SE
ERS2 WO 01907-01 5X5 SW
ERS2 WO 01907-01 5X5 W
ERS2 WO 01907-01 C
ERS2 WO 01907-01 E
ERS2 WO 01907-01 SW
ERS2 WO 01907-01 W

\ERS2 WO 0190702 Orb 5883

ERS2 WO 0190702 3X3 C
ERS2 WO 0190702 3x3 E
ERS2 WO 0190702 3x3 W
ERS2 WO 0190702 5x5 C
ERS2 WO 0190702 5x5 E
ERS2 WO 0190702 5x5 W
ERS2 WO 0190702 C
ERS2 WO 0190702 E
ERS2 WO 0190702 W

\ERS2 WO 01907-03 Orb 5883

ERS2 WO 01907-03 3X3 C
ERS2 WO 01907-03 3X3 E
ERS2 WO 01907-03 3X3 W
ERS2 WO 01907-03 5X5 C
ERS2 WO 01907-03 5X5 E
ERS2 WO 01907-03 5X5 W
ERS2 WO 01907-03 C
ERS2 WO 01907-03 E
ERS2 WO 01907-03 W

\ERS2 WO 01907-04 Orb 5883

ERS2 WO 01907-04 3X3 C
ERS2 WO 01907-04 3X3 E
ERS2 WO 01907-04 5X5 C
ERS2 WO 01907-04 5X5 E
ERS2 WO 01907-04 5X5 W
ERS2 WO 01907-04 C
ERS2 WO 01907-04 E
ERS2 WO 01907-04 W

\ERS2 WO 01907-05 Orb 5883

ERS2 WO 01907-05 3X3 C
ERS2 WO 01907-05 3X3 E
ERS2 WO 01907-05 3X3 W
ERS2 WO 01907-05 5X5 C
ERS2 WO 01907-05 5X5 E
ERS2 WO 01907-05 5X5 W
ERS2 WO 01907-05 C
ERS2 WO 01907-05 E
ERS2 WO 01907-05 W

\ERS2 WO 01907-06 Orb 5883

ERS2 WO 01907-06 3X3 C&E
ERS2 WO 01907-06 3X3 W
ERS2 WO 01907-06 5X5 C&E
ERS2 WO 01907-06 5X5 W
ERS2 WO 01907-06 C&E
ERS2 WO 01907-06 W

\ERS2 WO 01907-07 Orb 5883

ERS2 WO 01907-07 3X3 C
ERS2 WO 01907-07 3X3 E
ERS2 WO 01907-07 3X3 W
ERS2 WO 01907-07 5X5 C
ERS2 WO 01907-07 5X5 E
ERS2 WO 01907-07 5X5 W
ERS2 WO 01907-07 C
ERS2 WO 01907-07 E
ERS2 WO 01907-07 W

\RSAT1 WO 01925-03 Orb 26630

RSAT1 WO 01925-03 3X3 CE
RSAT1 WO 01925-03 3X3 CW
RSAT1 WO 01925-03 3X3 E
RSAT1 WO 01925-03 3X3 W
RSAT1 WO 01925-03 5X5 CE
RSAT1 WO 01925-03 5X5 CW
RSAT1 WO 01925-03 5X5 E
RSAT1 WO 01925-03 5X5 W
RSAT1 WO 01925-03 CE
RSAT1 WO 01925-03 CW
RSAT1 WO 01925-03 E
RSAT1 WO 01925-03 W

\RSAT1 WO 01925-04 Orb 26630

RSAT1 WO 01925-04 3X3 CE
RSAT1 WO 01925-04 3X3 CW
RSAT1 WO 01925-04 3X3 E
RSAT1 WO 01925-04 3X3 W
RSAT1 WO 01925-04 5X5 CE
RSAT1 WO 01925-04 5X5 CW
RSAT1 WO 01925-04 5X5 E
RSAT1 WO 01925-04 5X5 W
RSAT1 WO 01925-04 CE
RSAT1 WO 01925-04 CW
RSAT1 WO 01925-04 E
RSAT1 WO 01925-04 W

\RSAT1 WO 01925-05 Orb 26630

RSAT1 WO 01925-05 3X3 E
RSAT1 WO 01925-05 3X3 NC
RSAT1 WO 01925-05 3X3 NE
RSAT1 WO 01925-05 3X3 NW
RSAT1 WO 01925-05 3X3 SC
RSAT1 WO 01925-05 3X3 SE
RSAT1 WO 01925-05 3X3 W
RSAT1 WO 01925-05 5X5 C
RSAT1 WO 01925-05 5X5 E
RSAT1 WO 01925-05 5X5 NC
RSAT1 WO 01925-05 5X5 NE
RSAT1 WO 01925-05 5X5 NW
RSAT1 WO 01925-05 5X5 SC
RSAT1 WO 01925-05 5X5 SE
RSAT1 WO 01925-05 5X5 W
RSAT1 WO 01925-05 C
RSAT1 WO 01925-05 E
RSAT1 WO 01925-05 W

\RSAT1 WO 01925-06 Orb 28245

RSAT1 WO 01925-06 3X3 C
RSAT1 WO 01925-06 3X3 CE
RSAT1 WO 01925-06 3X3 CW
RSAT1 WO 01925-06 3X3 E
RSAT1 WO 01925-06 3X3 W
RSAT1 WO 01925-06 5X5 C
RSAT1 WO 01925-06 5X5 CE
RSAT1 WO 01925-06 5X5 CW
RSAT1 WO 01925-06 5X5 E
RSAT1 WO 01925-06 5X5 NC
RSAT1 WO 01925-06 5X5 SC
RSAT1 WO 01925-06 5X5 W
RSAT1 WO 01925-06 C
RSAT1 WO 01925-06 E
RSAT1 WO 01925-06 W

ArcGIS Layers Provided:

SW Margins SAR Interps.mxd	\ERS2 WO 01907-04 Orb 5883	\RSAT1 WO 01925-03 Orb 26630
	ERS2 WO 01907-04_Rings_region	RSAT1 WO 01925-03_L4_slick_polyline
\ERS1 WO 01906-06 Orb 25513	ERS2 WO 01907-04_Surface_features_point	RSAT1 WO 01925-03_L4_slick_region
ERS1_WO-01906-06_L4_slick_region	ERS2 WO 01907-04_Surface_features_polyline	RSAT1 WO 01925-03_Rings_ellipse
ERS1_WO-01906-06_Surface_features_polyline		RSAT1 WO 01925-03_Surface_features_polyline
	\ERS2 WO 01907-05 Orb 5883	
\ERS1 WO 01906-07 Orb 25513	ERS2 WO 01907-05_Rings_ellipse	\RSAT1 WO 01925-04 Orb 26630
ERS1 WO 01906-07_L4_slick_region	ERS2 WO 01907-05_Rings_region	RSAT1 WO 01925-04_L4_slick_polyline
ERS1 WO 01906-07_Surface_features_point	ERS2 WO 01907-05_Surface_features_point	RSAT1 WO 01925-04_L4_slick_region
ERS1 WO 01906-07_Surface_features_polyline	ERS2 WO 01907-05_Surface_features_polyline	RSAT1 WO 01925-04_Surface_features_polyline
\ERS1 WO 01907-08 Orb 5883	\ERS2 WO 01907-06 Orb 5883	\RSAT1 WO 01925-05 Orb 26630
ERS1 WO 01907-08_L4_slick_polyline	ERS2 WO 01907-06_L4_slick_region	RSAT1 WO 01925-05_L4_slick_polyline
ERS1 WO 01907-08_Surface_features_point	ERS2 WO 01907-06_Rings_ellipse	RSAT1 WO 01925-05_L4_slick_region
ERS1 WO 01907-08_Surface_features_polyline	ERS2 WO 01907-06_Rings_region	RSAT1 WO 01925-05_Rings_ellipse
	ERS2 WO 01907-06_Surface_features_polyline	RSAT1 WO 01925-05_Rings_region
\ERS2 WO 01907-01 Orb 5883		RSAT1 WO 01925-05_Surface_features_polyline
ERS2 WO 01907-01_L2_slick_region	\ERS2 WO 01907-07 Orb 5883	
ERS2 WO 01907-01_L3_slick_region	ERS2 WO 01907-07_L4_slick_polyline	\RSAT1 WO 01925-06 Orb 28245
ERS2 WO 01907-01_L4_slick_polyline	ERS2 WO 01907-07_L4_slick_region	RSAT1 WO 01925-06_L4_slick_polyline
ERS2 WO 01907-01_L4_slick_region	ERS2 WO 01907-07_Rings_ellipse	RSAT1 WO 01925-06_L4_slick_region
ERS2 WO 01907-01_Surface_features_point	ERS2 WO 01907-07_Rings_region	RSAT1 WO 01925-06_Rings_ellipse
ERS2 WO 01907-01_Surface_features_polyline	ERS2 WO 01907-07_Surface_features_polyline	RSAT1 WO 01925-06_Rings_polyline
		RSAT1 WO 01925-06_Rings_region
\ERS2 WO 01907-02 Orb 5883		RSAT1 WO 01925-06_Surface_features_point
ERS2 WO 01907-02_Rings_polyline		RSAT1 WO 01925-06_Surface_features_polyline
ERS2 WO 01907-02_Rings_region		
ERS2 WO 01907-02_Surface_features_point		
ERS2 WO 01907-02_Surface_features_polyline		
\ERS2 WO 01907-03 Orb 5883		
ERS2 WO 01907-03_Rings_ellipse		
ERS2 WO 01907-03_Rings_region		
ERS2 WO 01907-03_Surface_features_point		
ERS2 WO 01907-03_Surface_features_polyline		

Appendix III
Detailed Satellite Scene Information
and
Bureau of Meteorology Weather Compliancy Data.

ACRES SAR Product Report

Work Order Number: 01906_06

Satellite: ERS1 Orbit: 25513 Descending
Product Type: GEC

PRODUCT SPECIFICATION

Produced on 06-MAY-2004 by Ortho 5.1.1
Format: ESA-CEOS SAR BSQ
Scene Centre Lat/Long: -33.93594 / 115.11116

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -34.589 / 118.268
Satellite Altitude: 797 km Satellite Heading: 190.378
Sensor Configuration: Descending
Incidence Angle: 23.1700
SAR beam type: ERS1 SAR band: C
Radar Wavelength: 5.66 cm Polarity: VV

PROCESSING SPECIFICATION

Ephemeris File used: 16953_E1.orm
ERS TCE File used: patc_960601cfx8028.e1
Pixel data type:
Processing Algorithm: Ellipsoid Reference
Scene Dimensions lines/pixels: 8764 / 9771
Centre Line/Pixel: 4382 / 4885
Scene Dimensions range/azimuth: 0.00134 km / 0.00120 km
Nominal number of looks range/azimuth 1.00 / 4.00

PROCESSING INFORMATION

Scene Centre date/time: 01-JUN-1996 02:13:28.21
Scene Centre Lat/Long: -33.93594 / 115.11116
Scene Centre orientation: 180.00000
Scene Corner Coordinates:
Top Left Lat/Long : -33.33405 / 114.44009
Top Right Lat/Long : -33.33405 / 115.78223
Lower Left Lat/Long : -34.53783 / 114.44009
Lower Right Lat/Long : -34.53783 / 115.78223

OUTPUT DATA SPECIFICATION

Scene ID: ATE 01-JUN-1996 02:1
Agency: ESA-CEOS
Interleaving: BSQ
Scene Centre date/time: 01-JUN-1996 02:13:28.21
Scene Centre Lat/Long: -33.93594 / 115.11116
Product Dimensions range/azimuth: 0.00134 km / 0.00120 km
Projection: EQUAL
Datum: WGS84

ACRES SAR Product Report

Work Order Number: 01906_07

Satellite: ERS1 Orbit: 25513 Descending

Product Type: GEC

PRODUCT SPECIFICATION

Produced on 06-MAY-2004 by Ortho 5.1.1
Product Media: CD-R size: 167 Mb
Disk ID: lib32/libc.s
Format: ESA-CEOS SAR BSQ
Scene Centre Lat/Long: -33.05568 / 115.40910

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -33.702 / 118.526
Satellite Altitude: 797 km Satellite Heading: 190.269
Sensor Configuration: Descending
Incidence Angle: 23.1130
SAR beam type: ERS1 SAR band: C
Radar Wavelength: 5.66 cm Polarity: VV

PROCESSING SPECIFICATION

Ephemeris File used: 16953_E1.orrn
ERS TCE File used: patc_960601cfx8028.e1
Pixel data type:
Processing Algorithm: Ellipsoid Reference
Scene Dimensions lines/pixels: 8756 / 9674
Centre Line/Pixel: 4378 / 4837
Scene Dimensions range/azimuth: 0.00133 km / 0.00120 km
Nominal Pixel Dimensions range/azimuth: 0.00 m / 0.00 m
Nominal number of looks range/azimuth 1.00 / 4.00

PROCESSING INFORMATION

Scene Centre date/time: 01-JUN-1996 02:13:13.11
Scene Centre Lat/Long: -33.05568 / 115.40910
Scene Centre orientation: 180.00000
Scene Corner Coordinates:
Top Left Lat/Long : -32.45432 / 114.74471
Top Right Lat/Long : -32.45432 / 116.07349
Lower Left Lat/Long : -33.65703 / 114.74471
Lower Right Lat/Long : -33.65703 / 116.07349

OUTPUT DATA SPECIFICATION

Scene ID: ATE 01-JUN-1996 02:1
Agency: ESA-CEOS
Interleaving: BSQ
Scene Centre date/time: 01-JUN-1996 02:13:13.11
Scene Centre Lat/Long: -33.05568 / 115.40910
Product Dimensions range/azimuth: 0.00133 km / 0.00120 km
Projection: EQUAL
Datum: WGS84

ACRES SAR Product Report

Work Order Number: 01907_01

Satellite: ERS2 Orbit: 5883 Descending

Product Type: GEC

PRODUCT SPECIFICATION

Produced on 06-MAY-2004 by Ortho 5.1.1
Product Media: CD-R size: 170 Mb
Disk ID: lib32/libc.s
Format: ESA-CEOS SAR BSQ
Scene Centre Lat/Long: -34.81416 / 113.35413

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -35.478 / 116.573
Satellite Altitude: 797 km Satellite Heading: 190.491
Sensor Configuration: Descending
Incidence Angle: 23.3590
SAR beam type: ERS2 SAR band: C
Radar Wavelength: 5.66 cm Polarity: VV

PROCESSING SPECIFICATION

Ephemeris File used: 16957_E2.orrn
ERS TCE File used: patc_960605cfx4788.e2
Pixel data type:
Processing Algorithm: Ellipsoid Reference
Scene Dimensions lines/pixels: 8767 / 9835
Centre Line/Pixel: 4383 / 4917
Scene Dimensions range/azimuth: 0.00135 km / 0.00120 km
Nominal Pixel Dimensions range/azimuth: 0.00 m / 0.00 m
Nominal number of looks range/azimuth 1.00 / 4.00

PROCESSING INFORMATION

Scene Centre date/time: 05-JUN-1996 02:19:27.17
Scene Centre Lat/Long: -34.81416 / 113.35413
Scene Centre orientation: 180.00000
Scene Corner Coordinates:
Top Left Lat/Long : -34.21205 / 112.67870
Top Right Lat/Long : -34.21205 / 114.02956
Lower Left Lat/Long : -35.41626 / 112.67870
Lower Right Lat/Long : -35.41626 / 114.02956

OUTPUT DATA SPECIFICATION

Scene ID: ATE 05-JUN-1996 02:1
Agency: ESA-CEOS
Interleaving: BSQ
Scene Centre date/time: 05-JUN-1996 02:19:27.17
Scene Centre Lat/Long: -34.81416 / 113.35413
Product Dimensions range/azimuth: 0.00135 km / 0.00120 km
Projection: EQUAL
Datum: WGS84

ACRES SAR Product Report

Work Order Number: 01907_02

Satellite: ERS2 Orbit: 5883 Descending

Product Type: GEC

PRODUCT SPECIFICATION

Produced on 06-MAY-2004 by Ortho 5.1.1
Product Media: CD-R size: 168 Mb
Disk ID: lib32/libc.s
Format: ESA-CEOS SAR BSQ
Scene Centre Lat/Long: -33.92849 / 113.65971

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -34.586 / 116.837
Satellite Altitude: 797 km Satellite Heading: 190.376
Sensor Configuration: Descending
Incidence Angle: 23.3040
SAR beam type: ERS2 SAR band: C
Radar Wavelength: 5.66 cm Polarity: VV

PROCESSING SPECIFICATION

Ephemeris File used: 16957_E2.orrn
ERS TCE File used: patc_960605cfx4788.e2
Pixel data type:
Processing Algorithm: Ellipsoid Reference
Scene Dimensions lines/pixels: 8761 / 9733
Centre Line/Pixel: 4380 / 4866
Scene Dimensions range/azimuth: 0.00133 km / 0.00120 km
Nominal Pixel Dimensions range/azimuth: 0.00 m / 0.00 m
Nominal number of looks range/azimuth 1.00 / 4.00

PROCESSING INFORMATION

Scene Centre date/time: 05-JUN-1996 02:19:11.97
Scene Centre Lat/Long: -33.92849 / 113.65971
Scene Centre orientation: 180.00000
Scene Corner Coordinates:
Top Left Lat/Long : -33.32677 / 112.99127
Top Right Lat/Long : -33.32677 / 114.32814
Lower Left Lat/Long : -34.53021 / 112.99127
Lower Right Lat/Long : -34.53021 / 114.32814

OUTPUT DATA SPECIFICATION

Scene ID: ATE 05-JUN-1996 02:1
Agency: ESA-CEOS
Interleaving: BSQ
Scene Centre date/time: 05-JUN-1996 02:19:11.97
Scene Centre Lat/Long: -33.92849 / 113.65971
Product Dimensions range/azimuth: 0.00133 km / 0.00120 km
Projection: EQUAL
Datum: WGS84

ACRES SAR Product Report

Work Order Number: 01907_03

Satellite: ERS2 Orbit: 5883 Descending

Product Type: GEC

PRODUCT SPECIFICATION

Produced on 06-MAY-2004 by Ortho 5.1.1
Product Media: CD-R size: 166 Mb
Disk ID: lib32/libc.s
Format: ESA-CEOS SAR BSQ
Scene Centre Lat/Long: -33.05407 / 113.95590

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -33.705 / 117.092
Satellite Altitude: 797 km Satellite Heading: 190.268
Sensor Configuration: Descending
Incidence Angle: 23.2480
SAR beam type: ERS2 SAR band: C
Radar Wavelength: 5.66 cm Polarity: VV

PROCESSING SPECIFICATION

Ephemeris File used: 16957_E2.orrn
ERS TCE File used: patc_960605cfx4788.e2
Pixel data type:
Processing Algorithm: Ellipsoid Reference
Scene Dimensions lines/pixels: 8755 / 9637
Centre Line/Pixel: 4377 / 4818
Scene Dimensions range/azimuth: 0.00132 km / 0.00120 km
Nominal Pixel Dimensions range/azimuth: 0.00 m / 0.00 m
Nominal number of looks range/azimuth 1.00 / 4.00

PROCESSING INFORMATION

Scene Centre date/time: 05-JUN-1996 02:18:56.97
Scene Centre Lat/Long: -33.05407 / 113.95590
Scene Centre orientation: 180.00000
Scene Corner Coordinates:
Top Left Lat/Long : -32.45282 / 113.29405
Top Right Lat/Long : -32.45282 / 114.61774
Lower Left Lat/Long : -33.65533 / 113.29405
Lower Right Lat/Long : -33.65533 / 114.61774

OUTPUT DATA SPECIFICATION

Scene ID: ATE 05-JUN-1996 02:1
Agency: ESA-CEOS
Interleaving: BSQ
Scene Centre date/time: 05-JUN-1996 02:18:56.97
Scene Centre Lat/Long: -33.05407 / 113.95590
Product Dimensions range/azimuth: 0.00132 km / 0.00120 km
Projection: EQUAL
Datum: WGS84

ACRES SAR Product Report

Work Order Number: 01907_04

Satellite: ERS2 Orbit: 5883 Descending

Product Type: GEC

PRODUCT SPECIFICATION

Produced on 06-MAY-2004 by Ortho 5.1.1
Product Media: CD-R size: 183 Mb
Disk ID: lib32/libc.s
Format: ESA-CEOS SAR BSQ
Scene Centre Lat/Long: -32.17481 / 114.22829

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -32.823 / 117.344
Satellite Altitude: 796 km Satellite Heading: 190.165
Sensor Configuration: Descending
Incidence Angle: 23.3000
SAR beam type: ERS2 SAR band: C
Radar Wavelength: 5.66 cm Polarity: VV

PROCESSING SPECIFICATION

Ephemeris File used: 16957_E2.orrn
ERS TCE File used: patc_960605cfx4788.e2
Pixel data type:
Processing Algorithm: Ellipsoid Reference
Scene Dimensions lines/pixels: 9239 / 10052
Centre Line/Pixel: 4619 / 5026
Scene Dimensions range/azimuth: 0.00131 km / 0.00120 km
Nominal Pixel Dimensions range/azimuth: 0.00 m / 0.00 m
Nominal number of looks range/azimuth 1.00 / 4.00

PROCESSING INFORMATION

Scene Centre date/time: 05-JUN-1996 02:18:41.97
Scene Centre Lat/Long: -32.17481 / 114.22829
Scene Centre orientation: 180.00000
Scene Corner Coordinates:
Top Left Lat/Long : -31.57462 / 113.57529
Top Right Lat/Long : -31.57462 / 114.88129
Lower Left Lat/Long : -32.77500 / 113.57529
Lower Right Lat/Long : -32.77500 / 114.88129

OUTPUT DATA SPECIFICATION

Scene ID: ATE 05-JUN-1996 02:1
Agency: ESA-CEOS
Interleaving: BSQ
Scene Centre date/time: 05-JUN-1996 02:18:41.97
Scene Centre Lat/Long: -32.17481 / 114.22829
Product Dimensions range/azimuth: 0.00131 km / 0.00120 km
Projection: EQUAL
Datum: WGS84

ACRES SAR Product Report

Work Order Number: 01907_05

Satellite: ERS2 Orbit: 5883 Descending

Product Type: GEC

PRODUCT SPECIFICATION

Produced on 06-MAY-2004 by Ortho 5.1.1
Product Media: CD-R size: 181 Mb
Disk ID: lib32/libc.s
Format: ESA-CEOS SAR BSQ
Scene Centre Lat/Long: -31.28771 / 114.51777

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -31.930 / 117.596
Satellite Altitude: 796 km Satellite Heading: 190.064
Sensor Configuration: Descending
Incidence Angle: 23.2440
SAR beam type: ERS2 SAR band: C
Radar Wavelength: 5.66 cm Polarity: VV

PROCESSING SPECIFICATION

Ephemeris File used: 16957_E2.orrn
ERS TCE File used: patc_960605cfx4788.e2
Pixel data type:
Processing Algorithm: Ellipsoid Reference
Scene Dimensions lines/pixels: 9238 / 9961
Centre Line/Pixel: 4619 / 4980
Scene Dimensions range/azimuth: 0.00129 km / 0.00120 km
Nominal Pixel Dimensions range/azimuth: 0.00 m / 0.00 m
Nominal number of looks range/azimuth 1.00 / 4.00

PROCESSING INFORMATION

Scene Centre date/time: 05-JUN-1996 02:18:26.78
Scene Centre Lat/Long: -31.28771 / 114.51777
Scene Centre orientation: 180.00000
Scene Corner Coordinates:
Top Left Lat/Long : -30.68763 / 113.87070
Top Right Lat/Long : -30.68763 / 115.16484
Lower Left Lat/Long : -31.88779 / 113.87070
Lower Right Lat/Long : -31.88779 / 115.16484

OUTPUT DATA SPECIFICATION

Scene ID: ATE 05-JUN-1996 02:1
Agency: ESA-CEOS
Interleaving: BSQ
Scene Centre date/time: 05-JUN-1996 02:18:26.78
Scene Centre Lat/Long: -31.28771 / 114.51777
Product Dimensions range/azimuth: 0.00129 km / 0.00120 km
Projection: EQUAL
Datum: WGS84

ACRES SAR Product Report

Work Order Number: 01907_06

Satellite: ERS2 Orbit: 5883 Descending

Product Type: GEC

PRODUCT SPECIFICATION

Produced on 06-MAY-2004 by Ortho 5.1.1
Product Media: CD-R size: 178 Mb
Disk ID: lib32/libc.s
Format: ESA-CEOS SAR BSQ
Scene Centre Lat/Long: -30.40145 / 114.78254

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -31.042 / 117.842
Satellite Altitude: 796 km Satellite Heading: 189.969
Sensor Configuration: Descending
Incidence Angle: 23.3130
SAR beam type: ERS2 SAR band: C
Radar Wavelength: 5.66 cm Polarity: VV

PROCESSING SPECIFICATION

Ephemeris File used: 16957_E2.orrn
ERS TCE File used: patc_960605cfx4788.e2
Pixel data type:
Processing Algorithm: Ellipsoid Reference
Scene Dimensions lines/pixels: 9221 / 9834
Centre Line/Pixel: 4610 / 4917
Scene Dimensions range/azimuth: 0.00128 km / 0.00120 km
Nominal Pixel Dimensions range/azimuth: 0.00 m / 0.00 m
Nominal number of looks range/azimuth 1.00 / 4.00

PROCESSING INFORMATION

Scene Centre date/time: 05-JUN-1996 02:18:11.68
Scene Centre Lat/Long: -30.40145 / 114.78254
Scene Centre orientation: 180.00000
Scene Corner Coordinates:
Top Left Lat/Long : -29.80245 / 114.14371
Top Right Lat/Long : -29.80245 / 115.42137
Lower Left Lat/Long : -31.00046 / 114.14371
Lower Right Lat/Long : -31.00046 / 115.42137

OUTPUT DATA SPECIFICATION

Scene ID: ATE 05-JUN-1996 02:1
Agency: ESA-CEOS
Interleaving: BSQ
Scene Centre date/time: 05-JUN-1996 02:18:11.68
Scene Centre Lat/Long: -30.40145 / 114.78254
Product Dimensions range/azimuth: 0.00128 km / 0.00120 km
Projection: EQUAL
Datum: WGS84

ACRES SAR Product Report

Work Order Number: 01907_07

Satellite: ERS2 Orbit: 10120 Descending

Product Type: GEC

PRODUCT SPECIFICATION

Produced on 06-MAY-2004 by Ortho 5.1.1
Product Media: CD-R size: 181 Mb
Disk ID: lib32/libc.s
Format: ESA-CEOS SAR BSQ
Scene Centre Lat/Long: -31.28858 / 115.22678

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -31.931 / 118.305
Satellite Altitude: 796 km Satellite Heading: 190.062
Sensor Configuration: Descending
Incidence Angle: 23.2460
SAR beam type: ERS2 SAR band: C
Radar Wavelength: 5.66 cm Polarity: VV

PROCESSING SPECIFICATION

Ephemeris File used: 17253_E2.orrn
ERS TCE File used: patc_970328cfas8305.e2
Pixel data type:
Processing Algorithm: Ellipsoid Reference
Scene Dimensions lines/pixels: 9235 / 9960
Centre Line/Pixel: 4617 / 4980
Scene Dimensions range/azimuth: 0.00129 km / 0.00120 km
Nominal Pixel Dimensions range/azimuth: 0.00 m / 0.00 m
Nominal number of looks range/azimuth 1.00 / 4.00

PROCESSING INFORMATION

Scene Centre date/time: 28-MAR-1997 02:15:30.34
Scene Centre Lat/Long: -31.28858 / 115.22678
Scene Centre orientation: 180.00000
Scene Corner Coordinates:
Top Left Lat/Long : -30.68864 / 114.57980
Top Right Lat/Long : -30.68864 / 115.87377
Lower Left Lat/Long : -31.88853 / 114.57980
Lower Right Lat/Long : -31.88853 / 115.87377

OUTPUT DATA SPECIFICATION

Scene ID: ATE 28-MAR-1997 02:1
Agency: ESA-CEOS
Interleaving: BSQ
Scene Centre date/time: 28-MAR-1997 02:15:30.34
Scene Centre Lat/Long: -31.28858 / 115.22678
Product Dimensions range/azimuth: 0.00129 km / 0.00120 km
Projection: EQUAL
Datum: WGS84

ACRES SAR Product Report

Work Order Number: 01907_08

Satellite: ERS1 Orbit: 8722 Descending

Product Type: GEC

PRODUCT SPECIFICATION

Produced on 06-MAY-2004 by Ortho 5.1.1
Product Media: CD-R size: 179 Mb
Disk ID: lib32/libc.s
Format: ESA-CEOS SAR BSQ
Scene Centre Lat/Long: -30.40027 / 113.36142

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -31.036 / 116.402
Satellite Altitude: 795 km Satellite Heading: 189.963
Sensor Configuration: Descending
Incidence Angle: 23.1860
SAR beam type: ERS1 SAR band: C
Radar Wavelength: 5.66 cm Polarity: VV

PROCESSING SPECIFICATION

Ephemeris File used: 15781_E1.orrn
ERS TCE File used: patc_930315cfx6342.e1
Pixel data type:
Processing Algorithm: Ellipsoid Reference
Scene Dimensions lines/pixels: 9229 / 9872
Centre Line/Pixel: 4614 / 4936
Scene Dimensions range/azimuth: 0.00128 km / 0.00120 km
Nominal Pixel Dimensions range/azimuth: 0.00 m / 0.00 m
Nominal number of looks range/azimuth 1.00 / 4.00

PROCESSING INFORMATION

Scene Centre date/time: 17-MAR-1993 02:23:47.92
Scene Centre Lat/Long: -30.40027 / 113.36142
Scene Centre orientation: 180.00000
Scene Corner Coordinates:
Top Left Lat/Long : -29.80076 / 112.72013
Top Right Lat/Long : -29.80076 / 114.00272
Lower Left Lat/Long : -30.99979 / 112.72013
Lower Right Lat/Long : -30.99979 / 114.00272

OUTPUT DATA SPECIFICATION

Scene ID: ATE 17-MAR-1993 02:2
Agency: ESA-CEOS
Interleaving: BSQ
Scene Centre date/time: 17-MAR-1993 02:23:47.92
Scene Centre Lat/Long: -30.40027 / 113.36142
Product Dimensions range/azimuth: 0.00128 km / 0.00120 km
Projection: EQUAL
Datum: WGS84

ACRES SAR Product Report

Work Order Number: 01925_03

SYSTEMATIC GEOCODED EQA

Satellite: RSAT-1 Orbit: 26630 Descending

Product Type: SSG

PRODUCT SPECIFICATION

Produced on 12-MAY-2004 by Ortho 5.1.1

Product Media: CD-R size: 217 Mb

Disk ID: 001KNtNu

Format: RSAT-CEOS SAR BSQ

Scene Centre Lat/Long: -32.94305 / 113.90126

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -33.659 / 117.310

Satellite Altitude: 804 km Satellite Heading: 190.299

Sensor Configuration: Descending

Incidence Angle: 24.9210

SAR beam type: W1 SAR band: C

Radar Wavelength: 5.66 cm Polarity: HH

PROCESSING SPECIFICATION

Ephemeris File used: m0026630.orb

Pixel data type: UNSIGNED INTEGER*1

Processing Algorithm: RANGE DOPPLER

Scene Dimensions lines/pixels: 12914 / 17041

Centre Line/Pixel: 6457 / 8520

Scene Dimensions range/azimuth: 0.00233 km / 0.00177 km

Nominal Pixel Dimensions range/azimuth: 0.00 m / 0.00 m

PROCESSING INFORMATION

Scene Centre date/time: 10-DEC-2000 21:48:24.32

Scene Centre Lat/Long: -32.94305 / 113.90126

Scene Centre orientation: -0.00000

Scene Corner Coordinates:

Top Left Lat/Long : -32.05611 / 112.73086

Top Right Lat/Long : -32.05611 / 115.07166

Lower Left Lat/Long : -33.82999 / 112.73086

Lower Right Lat/Long : -33.82999 / 115.07166

OUTPUT DATA SPECIFICATION

Scene ID: 20001210-T214824322

Agency: RSAT-CEOS

Interleaving: BSQ

Scene Centre date/time: 10-DEC-2000 21:48:24.32

Scene Centre Lat/Long: -32.94305 / 113.90126

Product Dimensions range/azimuth: 0.00233 km / 0.00177 km

Projection: EQUAL ANGLE

Datum: WGS84

ACRES SAR Product Report

Work Order Number: 01925_04

SYSTEMATIC GEOCODED EQA

Satellite: RSAT-1 Orbit: 26630 Descending

Product Type: SSG

PRODUCT SPECIFICATION

Produced on 12-MAY-2004 by Ortho 5.1.1

Product Media: CD-R size: 292 Mb

Disk ID: 001KNtN9

Format: RSAT-CEOS SAR BSQ

Scene Centre Lat/Long: -31.71027 / 114.28658

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -32.422 / 117.663

Satellite Altitude: 804 km Satellite Heading: 190.155

Sensor Configuration: Descending

Incidence Angle: 24.9850

SAR beam type: W1 SAR band: C

Radar Wavelength: 5.66 cm Polarity: HH

PROCESSING SPECIFICATION

Ephemeris File used: m0026630.orb

Pixel data type: UNSIGNED INTEGER*1

Processing Algorithm: RANGE DOPPLER

Scene Dimensions lines/pixels: 16037 / 18454

Centre Line/Pixel: 8018 / 9227

Scene Dimensions range/azimuth: 0.00240 km / 0.00208 km

Nominal Pixel Dimensions range/azimuth: 0.00 m / 0.00 m

PROCESSING INFORMATION

Scene Centre date/time: 10-DEC-2000 21:48:03.23

Scene Centre Lat/Long: -31.71027 / 114.28658

Scene Centre orientation: -0.00000

Scene Corner Coordinates:

Top Left Lat/Long : -30.66846 / 113.08776

Top Right Lat/Long : -30.66846 / 115.48540

Lower Left Lat/Long : -32.75208 / 113.08776

Lower Right Lat/Long : -32.75208 / 115.48540

OUTPUT DATA SPECIFICATION

Scene ID: 20001210-T214803231

Agency: RSAT-CEOS

Interleaving: BSQ

Scene Centre date/time: 10-DEC-2000 21:48:03.23

Scene Centre Lat/Long: -31.71027 / 114.28658

Product Dimensions range/azimuth: 0.00240 km / 0.00208 km

Projection: EQUAL ANGLE

Datum: WGS84

ACRES SAR Product Report

Work Order Number: 01925_05

SYSTEMATIC GEOCODED EQA

Satellite: RSAT-1 Orbit: 26630 Descending

Product Type: SSG

PRODUCT SPECIFICATION

Produced on 13-MAY-2004 by Ortho 5.1.1

Product Media: CD-R size: 286 Mb

Disk ID: 001KNtMO

Format: RSAT-CEOS SAR BSQ

Scene Centre Lat/Long: -30.51326 / 114.64973

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -31.222 / 117.999

Satellite Altitude: 803 km Satellite Heading: 190.023

Sensor Configuration: Descending

Incidence Angle: 25.0870

SAR beam type: W1 SAR band: C

Radar Wavelength: 5.66 cm Polarity: HH

PROCESSING SPECIFICATION

Ephemeris File used: m0026630.orb

Pixel data type: UNSIGNED INTEGER*1

Processing Algorithm: RANGE DOPPLER

Scene Dimensions lines/pixels: 16017 / 18143

Centre Line/Pixel: 8008 / 9071

Scene Dimensions range/azimuth: 0.00236 km / 0.00208 km

Nominal Pixel Dimensions range/azimuth: 0.00 m / 0.00 m

PROCESSING INFORMATION

Scene Centre date/time: 10-DEC-2000 21:47:42.79

Scene Centre Lat/Long: -30.51326 / 114.64973

Scene Centre orientation: -0.00000

Scene Corner Coordinates:

Top Left Lat/Long : -29.47273 / 113.47112

Top Right Lat/Long : -29.47273 / 115.82835

Lower Left Lat/Long : -31.55379 / 113.47112

Lower Right Lat/Long : -31.55379 / 115.82835

OUTPUT DATA SPECIFICATION

Scene ID: 20001210-T214742797

Agency: RSAT-CEOS

Interleaving: BSQ

Scene Centre date/time: 10-DEC-2000 21:47:42.79

Scene Centre Lat/Long: -30.51326 / 114.64973

Product Dimensions range/azimuth: 0.00236 km / 0.00208 km

Projection: EQUAL ANGLE

Datum: WGS84

ACRES SAR Product Report

Work Order Number: 01925_06

SYSTEMATIC GEOCODED EQA

Satellite: RSAT-1 Orbit: 28245 Descending

Product Type: SSG

PRODUCT SPECIFICATION

Produced on 13-MAY-2004 by Ortho 5.1.1

Product Media: CD-R size: 288 Mb

Disk ID: 001LsrHC

Format: RSAT-CEOS SAR BSQ

Scene Centre Lat/Long: -30.16360 / 113.74155

DATA SOURCE SPECIFICATION

Satellite Position Lat/Long: -30.863 / 117.045

Satellite Altitude: 803 km Satellite Heading: 189.988

Sensor Configuration: Descending

Incidence Angle: 24.8610

SAR beam type: W1 SAR band: C

Radar Wavelength: 5.66 cm Polarity: HH

PROCESSING SPECIFICATION

Ephemeris File used: m0028245.orb

Pixel data type: UNSIGNED INTEGER*1

Processing Algorithm: RANGE DOPPLER

Scene Dimensions lines/pixels: 16039 / 18189

Centre Line/Pixel: 8019 / 9094

Scene Dimensions range/azimuth: 0.00236 km / 0.00209 km

Nominal Pixel Dimensions range/azimuth: 0.00 m / 0.00 m

PROCESSING INFORMATION

Scene Centre date/time: 02-APR-2001 21:51:40.68

Scene Centre Lat/Long: -30.16360 / 113.74155

Scene Centre orientation: -0.00000

Scene Corner Coordinates:

Top Left Lat/Long : -29.12165 / 112.55994

Top Right Lat/Long : -29.12165 / 114.92315

Lower Left Lat/Long : -31.20555 / 112.55994

Lower Right Lat/Long : -31.20555 / 114.92315

OUTPUT DATA SPECIFICATION

Scene ID: 20010402-T215140686

Agency: RSAT-CEOS

Interleaving: BSQ

Scene Centre date/time: 02-APR-2001 21:51:40.68

Scene Centre Lat/Long: -30.16360 / 113.74155

Product Dimensions range/azimuth: 0.00236 km / 0.00209 km

Projection: EQUAL ANGLE

Datum: WGS84

BOM Weather Compliancy Data.

DATE	SATELLITE	WORK ORDER	SCENE	LAT	LONG	RADIUS KM	COMMENTS	WIND SPEED M/S
1-Jun-96	ERS 1	01906-06	ERS 25513D	33 56	115 05	70	MAY BE SUITABLE	8
1-Jun-96	ERS 1	01906-07	ERS 25513D	33 03	115 22	70	SUITABLE	6
5-Jun-96	ERS 2	01907-01	ERS 5883D	34 49	113 22	70	SUITABLE	6
5-Jun-96	ERS 2	01907-02	ERS 5883D	33 56	113 40	70	SUITABLE	5
5-Jun-96	ERS 2	01907-03	ERS 5883D	33 03	113 57	70	SUITABLE	4
5-Jun-96	ERS 2	01907-04	ERS 5883D	32 10	114 14	70	SUITABLE	4
5-Jun-96	ERS 2	01907-05	ERS 5883D	31 17	114 31	70	SUITABLE	5
5-Jun-96	ERS 2	01907-06	ERS 5883D	30 24	114 47	70	SUITABLE	6
28-Mar-97	ERS 2	01907-07	ERS 10120D	31 17	115 13	70	MAY BE SUITABLE	8
17-Mar-93	ERS 1	01907-08	ERS 8722D	30 24	113 20	70	SUITABLE	7
10-Dec-00	RADARSAT 1	01925-03	26630D	32 57	113 49	110	SUITABLE	7
10-Dec-00	RADARSAT 1	01925-04	26630D	31 43	114 12	110	MAY BE SUITABLE	8
10-Dec-00	RADARSAT 1	01925-05	26630D	30 24	114 36	110	MAY BE SUITABLE	8
2-Apr-01	RADARSAT 1	01925-06	28245D	30 10	113 40	110	MAY BE SUITABLE	8