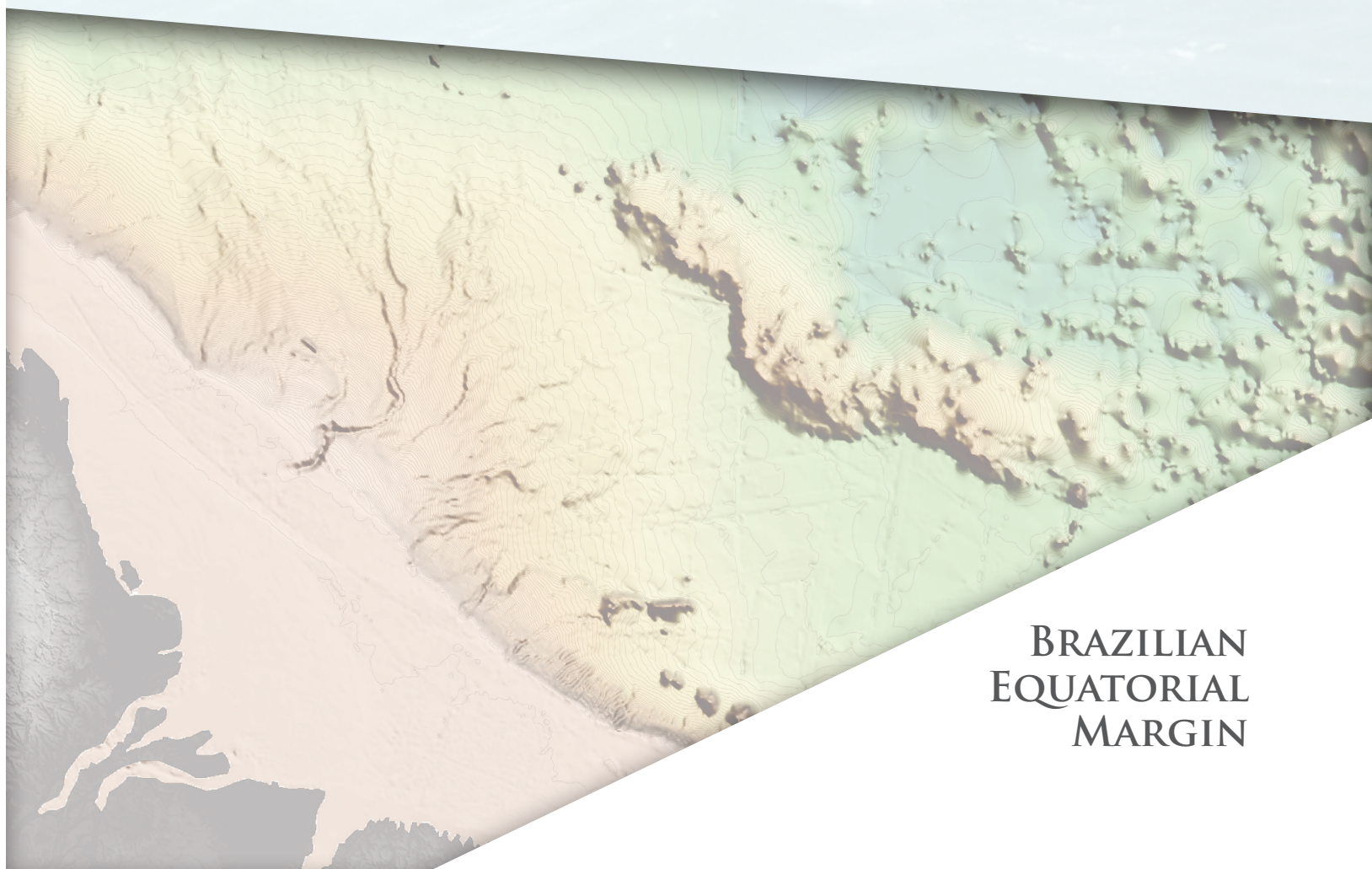




EXECUTIVE SUMMARY

# CONTINENTAL SHELF AND UNCLOS ARTICLE 76

BRAZILIAN PARTIAL REVISED SUBMISSION TO  
THE COMMISSION ON THE LIMITS OF THE  
CONTINENTAL SHELF



BRAZILIAN  
EQUATORIAL  
MARGIN

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# 1. Introduction

1. The Federative Republic of Brazil (hereinafter referred to as Brazil) signed the United Nations Convention on the Law of the Sea (UNCLOS) on December 10, 1982, during the Closing Session of the Third United Nations Conference on the Law of the Sea, and it was ratified on December 22, 1988. The Convention became effective for Brazil on November 16, 1994.
2. On May 17, 2004, after approximately 17 years of studies, Brazil delivered its Submission to the Commission on the Limits of the Continental Shelf (CLCS) seeking the recognition of the extension of its continental shelf as the natural prolongation of its land territory, up to the outer limits of the continental margin, beyond the limit of 200 M from the baselines, from which the breadth of the territorial sea is measured, as set out in article 76 (4) and (6) of the United Nations Convention on the Law of the Sea (UNCLOS).
3. In the Brazilian Submission, the continental margin was divided into three large areas: Equatorial Continental Margin, Oriental Continental Margin and Meridional Continental Margin.
4. During the Submission analysis by the CLCS between August 2004 and March 2007, Brazil presented an Addendum to the Executive Summary, which modified the originally submitted outer limit.
5. On April 4, 2007, the CLCS adopted, with amendments, the recommendations made on March 23, 2007 by the Subcommittee established to analyse the Brazilian Submission<sup>1</sup>.
6. From the date the recommendations made by the CLCS were unveiled, Brazil, after meticulous analysis, decided to prepare revised submissions along its margin, and with this purpose, new bathymetric and geophysical surveys were planned and accomplished.

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1. The summary of recommendations received by Brazil is available online at the DOALOS's web site: <[http://www.un.org/depts/los/clcs\\_new/submissions\\_files/bra04/Summary\\_Recommendations\\_Brazil.pdf](http://www.un.org/depts/los/clcs_new/submissions_files/bra04/Summary_Recommendations_Brazil.pdf)>. Access on August 5, 2014.

7. With the studies and analyses arising from those new data, denominated LEPLAC PHASE 2, it was possible to perfect and expand the knowledge about the Brazilian Continental Margin, allowing the production of updated technical information. The entire content of preexistent data and information, already submitted to CLCS, will be referred to as LEPLAC PHASE 1.
8. In the context of the recommendations received from the CLCS, in 2007, this submission should be considered as a PARTIAL REVISED SUBMISSION in accordance with article 8 of Annex II of the UNCLOS, comprising only the Continental Equatorial Margin, which includes the Amazon Fan and the Norte Brasileira and the Fernando de Noronha Ridges Regions (Figure 1).
9. This partial submission shall not prejudice the legitimate exercise of the right of Brazil to disagree, within a reasonable time, with the recommendations of the Commission regarding other regions not included herein.
10. When preparing this Partial Revised Submission, Brazil conforms with the Scientific and Technical Guidelines (STG) (CLCS/11) and with the CLCS Rules of Procedure (CLCS/40/Rev.1).

## 2. Provisions of article 76 invoked to support the Submission

11. Brazil invoked article 76 (1), (3), 4(a) (i) (ii), 4(b), (5) and (7) of the UNCLOS to establish the outer limit of the continental shelf beyond the 200 M, on the area covered by this Partial Revised Submission.

### 3. Nonexistence of maritime disputes

12. The maritime boundary with French Republic (Department of Guiana) entered in force on 30 January 1981 through the Maritime Delimitation Treaty between the Federative Republic of Brazil and the French Republic, and was sent to the United Nations Secretary-General to make it public (UNITED NATIONS, 1983<sup>2</sup>).
13. Since there are no maritime disputes between Brazil and the French Republic, Rule 46 and Annex I to the Rules of Procedure (CLCS/40/Rev.1) are not applied.

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2. The Maritime Delimitation Treaty between the Federative Republic of Brazil and the French Republic is available online on < <http://www.un.org/Depts/los/LEGISLATIONANDTREATIES/PDFFILES/TREATIES/BRA-FRA1981MD.PDF>>. Access on August 23, 2016.

## 4. Technical advice provided

14. In accordance with Rule 45 (b) of the Rules of Procedure (CLCS/40/Rev.1) issued by the CLCS, Brazil declares that it received technical and scientific advice provided by the expert Jair Alberto Ribas Marques, a member of the CLCS.

## 5. Form

15. This Partial Revised Submission complies with the formal norms as provided in the Rules of Procedure, especially Rule 47, and paragraphs 9.1.3 to 9.1.6 of the STG, and it is made up of three parts: the Executive Summary (Part I), the Main Body (Part II), and Supporting Scientific and Technical Data (Part III).
16. The Main Body of this Submission contains: an introduction presenting the Revised Submission in the Equatorial Margin, a detailed description of the regional geology, the methodologies applied to the implementation of the provisions of article 76 of the UNCLOS, besides three appendices denominated A, B and C.
17. Appendix A contains the information related with the acquisition and data processing of the LEPLAC PHASE 2 in the Equatorial Margin, as well as information regarding the complementary data presented herein.
18. Appendix B contains the description of the bathymetric profiles and the foot of the continental slope points (FOS) that contributed to the definition of the outer limit.
19. Appendix C contains the description of the seismic sections and the points with 1% of sedimentary thickness used when defining the outer limit.
20. In addition, this Submission also has a tool for interactive visualization, based on the concept of the geographical information system (GIS), which stores several information that contribute to a better understanding of the scientific arguments presented.

# 6. General description of the continental margin and Base of the Continental Slope

21. The seabed in the Equatorial Continental Margin reflects its complex tectonic history, and it is characterized by the presence of sedimentary fans, ridges, fracture zones, plateaus, spurs and terraces.
22. In this region there are prominent morphologic features, classified as components or natural prolongations of the Brazilian Continental Margin. They are: the Submarine Amazonas Fan (or Amazonas Cone), that will be denominated hereinafter as the Amazonas Fan; the Norte Brasileira and Fernando de Noronha ridges; the Norte Brasileiro, Paracatu, Rio Grande do Norte, Ceará and João Pessoa plateaus; the Ceará and Natal terraces; in addition to canyons, guyots and seamounts. The Foz do Amazonas, Pará-Maranhão, Barreirinhas, Ceará and Potiguar marginal basins are also situated in this region (Figure 2).
23. The physiography of the Brazilian Equatorial Continental Margin reflects its transforming origin, related to the rifting process, with deep influence of the fracture zones in its compartmentalization. The result is that generally oriented NW-SE rift segments alternate with W-E segments, that is the general direction of the main fracture zones (Figure 2). The conjugation of these two structural directions originates features with rhombic forms, such as the Norte Brasileiro Plateau, and sigmoidal forms, such as the Ceará Rise. Such forms are acknowledged to be due to simple shear, originated along transcurrent and transform faults.
24. Along the Equatorial Margin, the continental slope morphology is influenced by sedimentary megaslides, and ridges, terraces, plateaus and guyots which act as natural barriers to sedimentation. It is also strongly influenced by the Amazonas Fan, whose inclination is gradually smoothed by thick sequences of sediments that extend up to the Demerara Abyssal Plain, towards northwest, and to the Ceará Abyssal Plain to the east.
25. The base of the slope in the region is delimited over a region of approximately 2,200 km in length and width varying from 9 km to 85 km, over an area comprised between the isobaths of 3,450 m and 4,400 m. It was identified by means of a combination of bathymetric, geomorphological, geological and geophysical evidences, in accordance with the UNCLOS and paragraphs 5.1.4, 5.2.1, 5.2.6, 5.2.9, 5.4.4, 5.5.5 and 5.4.6 of the STG.





## 7. Determination of the points of the Foot of the Continental Slope

26. The FOS points were determined in acquired bathymetric profiles, in accordance with article 76 (4) (b) of the UNCLOS and paragraphs 5.1.3, 5.2.2, 5.4.1 and 5.4.8 of the STG, at the point of maximum change in gradient in the area identified as the base of the slope.

## 8. Participant bodies

27. This Submission was prepared by LEPLAC, that has the legal responsibility for the surveys and studies dealing with the extension of the Brazilian Continental Shelf beyond the 200 M maritime limit from the baselines from which the breadth of the territorial sea is measured. LEPLAC is a Brazilian Government program under the Interministerial Commission for the resources of the Sea (CIRM) organizational chart, coordinated by the Ministry of Foreign Affairs, with the participation of representatives of the Brazilian Navy Command, and the Ministry of Mines and Energy, Ministry of Science, Technology and Innovation, and Ministry of Education.
28. All the aforementioned bodies are responsible for the quality and fidelity of the entire material contained in this Partial Revised Submission.

## 9. Outer Limit of the Continental Shelf

29. The outer limit (OL) of the continental shelf object of this Partial Revised Submission of the Brazilian Equatorial Margin was obtained using the calculation routines of the GEOCAP® (Version 6.5.1) program, in accordance with article 76 (5) (7) of the UNCLOS combined with paragraphs 2.3.3, 2.3.5 and 2.3.10 of the STG.
30. The outer limit of the extended continental shelf beyond the 200 M in the Brazilian Equatorial Margin and the outstanding morphological features are shown in Figure 2. The points that form the outer limit of the Brazilian Continental Shelf that is the object of this Submission are presented in Table 1.

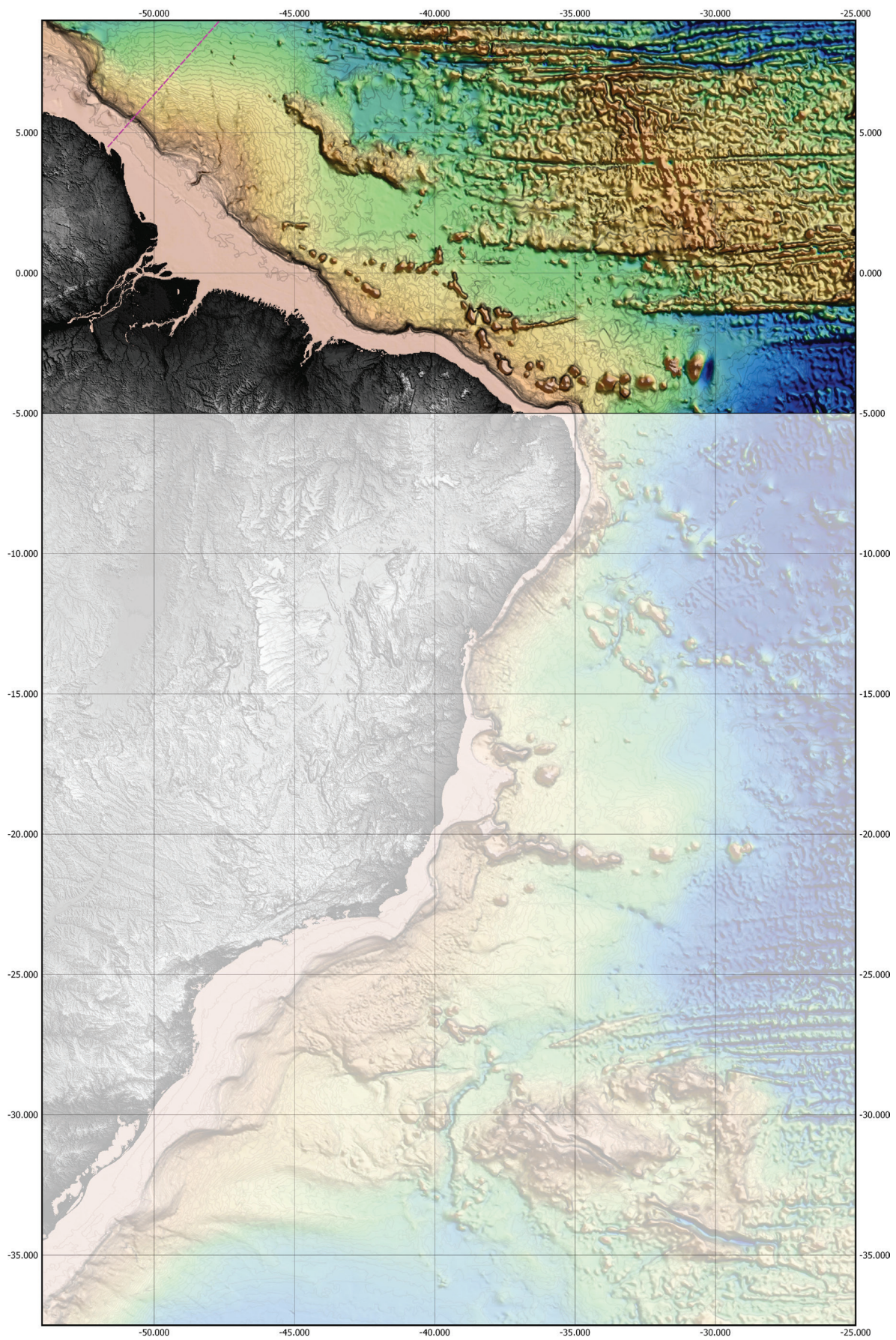


Figure 1 – The highlighted rectangle outlines the Brazilian Equatorial Margin region, object of this Partial Revised Submission. The magenta line represents the lateral maritime border with the French Republic (Department of Guiana).

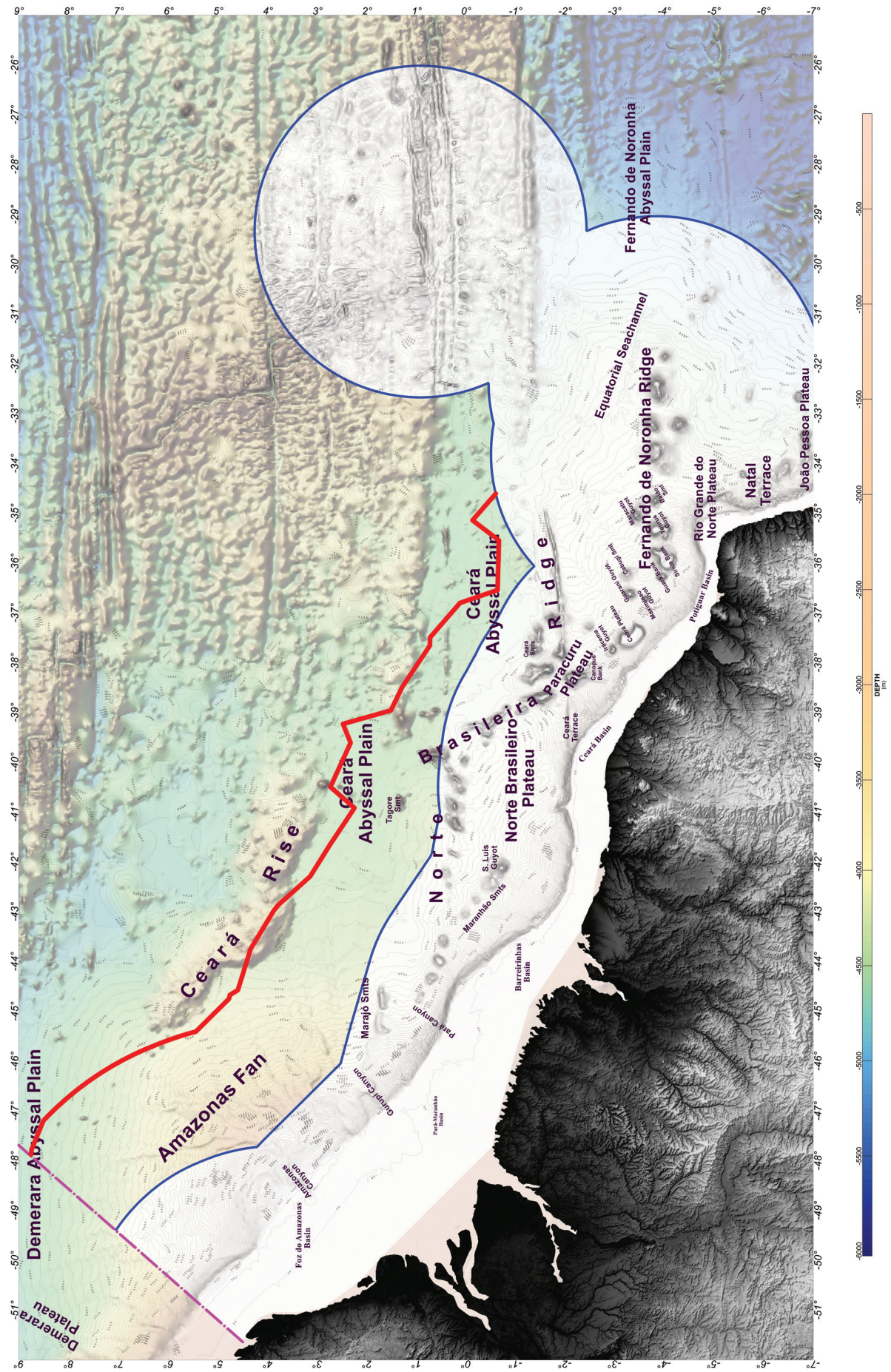


Figure 2 – The outer limit of the extended continental shelf in the Brazilian Equatorial Margin represented by the red line. The blue line represents the limit of 200 M from the baselines, from which the breadth of the territorial sea is measured. The magenta line represents the lateral maritime border with the French Republic (Department of Guiana). The prominent morphologic features, classified as components or natural prolongations of the Brazilian Continental Margin are also indicated.

Table 1 – Coordinates of the 297 fixed points that define the Outer Limit of the Brazilian Continental Shelf in the Equatorial Margin, beyond the limit of 200 M from the baselines, from which the breadth of the territorial sea is measured.

OL Point	Latitude (GG,DEC)	Longitude (GG,DEC)	Distance between the OL points (M)	Art. 76 Criterion	Art. 76 (4) Criterion	Line	FOS point
001-BR-OL-EM	8.75763679	-47.87641951	0.000000	Lateral maritime border with French Guiana			
002-BR-OL-EM	8.74275841	-47.77040357	6.361057	1% ST	1% ST	S16_seq246	02-BR-FOS-EM-B6
003-BR-OL-EM	8.50878998	-47.19594403	36.889880	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
004-BR-OL-EM	8.49629782	-47.18272104	1.083757	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
005-BR-OL-EM	8.48476368	-47.17052730	1.000005	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
006-BR-OL-EM	8.47319556	-47.15836654	1.000001	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
007-BR-OL-EM	8.46159221	-47.14624000	1.000003	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
008-BR-OL-EM	8.44995416	-47.13414751	0.999998	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
009-BR-OL-EM	8.43828149	-47.12208898	1.000003	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
010-BR-OL-EM	8.42657430	-47.11006467	1.000000	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
011-BR-OL-EM	8.41483240	-47.09807485	1.000002	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
012-BR-OL-EM	8.40305704	-47.08611855	1.000001	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
013-BR-OL-EM	8.39124616	-47.07419799	1.000001	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
014-BR-OL-EM	8.37940236	-47.06231086	0.999997	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
015-BR-OL-EM	8.36752410	-47.05045866	1.000003	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
016-BR-OL-EM	8.35561193	-47.03864133	0.999997	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
017-BR-OL-EM	8.34366585	-47.02685875	1.000004	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
018-BR-OL-EM	8.33168610	-47.01511103	1.000003	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
019-BR-OL-EM	8.31967280	-47.00339835	1.000000	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
020-BR-OL-EM	8.30762592	-46.99172079	1.000002	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
021-BR-OL-EM	8.29554556	-46.98007845	1.000004	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
022-BR-OL-EM	8.28343199	-46.96847140	0.999999	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
023-BR-OL-EM	8.27128511	-46.95689967	1.000006	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
024-BR-OL-EM	8.25910518	-46.94536341	1.000003	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
025-BR-OL-EM	8.24689231	-46.93386282	0.999997	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
026-BR-OL-EM	8.23464638	-46.92239780	1.000006	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
027-BR-OL-EM	8.22236776	-46.91096863	0.999998	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
028-BR-OL-EM	8.21005645	-46.89957520	1.000001	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
029-BR-OL-EM	8.19771253	-46.88821771	1.000001	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
030-BR-OL-EM	8.18533646	-46.87689589	1.000001	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
031-BR-OL-EM	8.17296321	-46.86557136	0.999998	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
032-BR-OL-EM	8.16058035	-46.85425762	1.000004	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
033-BR-OL-EM	8.14816506	-46.84298017	1.000000	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
034-BR-OL-EM	8.13571671	-46.83173982	1.000000	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
035-BR-OL-EM	8.12323699	-46.82053487	1.000001	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
036-BR-OL-EM	8.11072502	-46.80936665	0.999997	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
037-BR-OL-EM	8.09818095	-46.79823491	1.000003	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
038-BR-OL-EM	8.08560515	-46.78713973	0.999999	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6

Table 1 – Coordinates of the 297 fixed points that define the Outer Limit of the Brazilian Continental Shelf in the Equatorial Margin, beyond the limit of 200 M from the baselines, from which the breadth of the territorial sea is measured.

OL Point	Latitude (GG,DEC)	Longitude (GG,DEC)	Distance between the OL points (M)	Art. 76 Criterion	Art. 76 (4) Criterion	Line	FOS point
039-BR-OL-EM	8.07299754	-46.77608111	1.000006	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
040-BR-OL-EM	8.06035836	-46.76505941	0.999996	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
041-BR-OL-EM	8.04768754	-46.75407436	1.000009	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
042-BR-OL-EM	8.03498534	-46.74312632	1.000003	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
043-BR-OL-EM	8.02225185	-46.73221529	1.000002	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
044-BR-OL-EM	8.00951347	-46.72131037	1.000001	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
045-BR-OL-EM	7.99674872	-46.71043690	1.000000	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
046-BR-OL-EM	7.98395231	-46.69960124	1.000000	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
047-BR-OL-EM	7.97112487	-46.68880286	1.000002	350 M	1% ST	S16-S14_seq247	02-BR-FOS-EM-B6
048-BR-OL-EM	7.95826658	-46.67804176	1.000003	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
049-BR-OL-EM	7.94537743	-46.66731812	1.000006	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
050-BR-OL-EM	7.93245768	-46.65663203	1.000002	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
051-BR-OL-EM	7.91950743	-46.64598349	1.000001	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
052-BR-OL-EM	7.90652623	-46.63537322	1.000003	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
053-BR-OL-EM	7.89351550	-46.62479978	1.000000	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
054-BR-OL-EM	7.88047426	-46.61426461	0.999997	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
055-BR-OL-EM	7.86740278	-46.60376744	1.000001	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
056-BR-OL-EM	7.85430131	-46.59330817	1.000003	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
057-BR-OL-EM	7.84116987	-46.58288709	1.000004	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
058-BR-OL-EM	7.82800872	-46.57250418	1.000000	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
059-BR-OL-EM	7.81481776	-46.56215954	1.000006	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
060-BR-OL-EM	7.80159735	-46.55185326	0.999999	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
061-BR-OL-EM	7.78834740	-46.54158542	1.000002	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
062-BR-OL-EM	7.77506808	-46.53135613	1.000002	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
063-BR-OL-EM	7.76175949	-46.52116537	1.000005	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
064-BR-OL-EM	7.74842189	-46.51101324	1.000001	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
065-BR-OL-EM	7.73505519	-46.50090001	0.999999	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
066-BR-OL-EM	7.72165957	-46.49082549	1.000004	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
067-BR-OL-EM	7.70823519	-46.48078996	0.999998	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
068-BR-OL-EM	7.69479991	-46.47076934	1.000001	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
069-BR-OL-EM	7.68135478	-46.46076229	1.000002	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
070-BR-OL-EM	7.66788099	-46.45079422	1.000006	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
071-BR-OL-EM	7.65437872	-46.44086533	1.000004	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
072-BR-OL-EM	7.64084814	-46.43097568	0.999998	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
073-BR-OL-EM	7.62728925	-46.42112530	1.000001	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
074-BR-OL-EM	7.61370215	-46.41131426	1.000004	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
075-BR-OL-EM	7.60008709	-46.40154265	0.999999	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
076-BR-OL-EM	7.58644407	-46.39181057	1.000000	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
077-BR-OL-EM	7.57277319	-46.38211802	1.000004	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
078-BR-OL-EM	7.55907471	-46.37246517	0.999997	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7

Table 1 – Coordinates of the 297 fixed points that define the Outer Limit of the Brazilian Continental Shelf in the Equatorial Margin, beyond the limit of 200 M from the baselines, from which the breadth of the territorial sea is measured.

OL Point	Latitude (GG,DEC)	Longitude (GG,DEC)	Distance between the OL points (M)	Art. 76 Criterion	Art. 76 (4) Criterion	Line	FOS point
079-BR-OL-EM	7.54534853	-46.36285203	1.000003	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
080-BR-OL-EM	7.53159484	-46.35327869	1.000006	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
081-BR-OL-EM	7.51781390	-46.34374523	1.000000	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
082-BR-OL-EM	7.50400545	-46.33425210	1.000001	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
083-BR-OL-EM	7.49017037	-46.32479832	0.999999	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
084-BR-OL-EM	7.47630795	-46.31538496	1.000004	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
085-BR-OL-EM	7.46241863	-46.30601176	1.000004	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
086-BR-OL-EM	7.44850259	-46.29667881	1.000001	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
087-BR-OL-EM	7.43455984	-46.28738618	1.000003	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
088-BR-OL-EM	7.42059054	-46.27813398	1.000002	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
089-BR-OL-EM	7.40659488	-46.26892230	0.999996	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
090-BR-OL-EM	7.39257276	-46.25975104	1.000007	350 M	1% ST	S13_seq242	03-BR-FOS-EM-B7
091-BR-OL-EM	7.37852454	-46.25062047	0.999999	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
092-BR-OL-EM	7.36445013	-46.24153051	1.000006	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
093-BR-OL-EM	7.35034980	-46.23248133	1.000003	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
094-BR-OL-EM	7.33623906	-46.22344877	1.000001	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
095-BR-OL-EM	7.32212320	-46.21442457	0.999999	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
096-BR-OL-EM	7.30798151	-46.20544123	1.000001	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
097-BR-OL-EM	7.29381416	-46.19649886	1.000000	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
098-BR-OL-EM	7.27962124	-46.18759737	1.000005	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
099-BR-OL-EM	7.26540293	-46.17873702	1.000000	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
100-BR-OL-EM	7.25115922	-46.16991780	1.000004	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
101-BR-OL-EM	7.23689039	-46.16113974	1.000002	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
102-BR-OL-EM	7.22259652	-46.15240299	0.999999	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
103-BR-OL-EM	7.20827761	-46.14370757	1.000003	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
104-BR-OL-EM	7.19393384	-46.13505356	1.000004	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
105-BR-OL-EM	7.17956538	-46.12644105	1.000001	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
106-BR-OL-EM	7.16517233	-46.11787005	1.000002	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
107-BR-OL-EM	7.15075487	-46.10934063	0.999999	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
108-BR-OL-EM	7.13631299	-46.10085290	1.000001	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
109-BR-OL-EM	7.12184686	-46.09240685	1.000003	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
110-BR-OL-EM	7.10735659	-46.08400266	1.000002	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
111-BR-OL-EM	7.09284216	-46.07564051	1.000004	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
112-BR-OL-EM	7.07830420	-46.06731987	0.999999	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
113-BR-OL-EM	7.06374227	-46.05904144	1.000003	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
114-BR-OL-EM	7.04915672	-46.05080506	1.000002	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
115-BR-OL-EM	7.03454764	-46.04261081	1.000002	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
116-BR-OL-EM	7.01991512	-46.03445878	1.000003	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
117-BR-OL-EM	7.00525942	-46.02634888	1.000000	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
118-BR-OL-EM	6.99058046	-46.01828138	1.000003	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4

Table 1 – Coordinates of the 297 fixed points that define the Outer Limit of the Brazilian Continental Shelf in the Equatorial Margin, beyond the limit of 200 M from the baselines, from which the breadth of the territorial sea is measured.

OL Point	Latitude (GG,DEC)	Longitude (GG,DEC)	Distance between the OL points (M)	Art. 76 Criterion	Art. 76 (4) Criterion	Line	FOS point
119-BR-OL-EM	6.97587850	-46.01025619	1.000003	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
120-BR-OL-EM	6.96115364	-46.00227340	1.000003	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
121-BR-OL-EM	6.94640640	-45.99433247	0.999998	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
122-BR-OL-EM	6.93163572	-45.98643547	1.000000	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
123-BR-OL-EM	6.91684284	-45.97858042	1.000000	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
124-BR-OL-EM	6.90202749	-45.97076795	1.000005	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
125-BR-OL-EM	6.88718987	-45.96299825	1.000003	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
126-BR-OL-EM	6.87233013	-45.95527139	0.999997	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
127-BR-OL-EM	6.85744829	-45.94758729	1.000002	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
128-BR-OL-EM	6.84254443	-45.93994613	1.000005	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
129-BR-OL-EM	6.82761882	-45.93234791	1.000002	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
130-BR-OL-EM	6.81267172	-45.92479227	1.000003	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
131-BR-OL-EM	6.79770269	-45.91728056	1.000000	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
132-BR-OL-EM	6.78271236	-45.90981160	1.000002	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
133-BR-OL-EM	6.76770072	-45.90238577	1.000003	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
134-BR-OL-EM	6.75269957	-45.89493918	0.999998	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
135-BR-OL-EM	6.73767980	-45.88753024	1.000003	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
136-BR-OL-EM	6.72263899	-45.88016450	0.999999	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
137-BR-OL-EM	6.70757706	-45.87284216	1.000003	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
138-BR-OL-EM	6.69249427	-45.86556311	1.000002	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
139-BR-OL-EM	6.67739053	-45.85832790	1.000001	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
140-BR-OL-EM	6.66226647	-45.85113544	1.000002	350 M	1% ST	S12_seq240	06-BR-FOS-EM-B3_4
141-BR-OL-EM	6.64712172	-45.84398692	1.000001	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
142-BR-OL-EM	6.63195656	-45.83688197	1.000002	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
143-BR-OL-EM	6.61677117	-45.82982058	1.000002	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
144-BR-OL-EM	6.60156554	-45.82280303	1.000003	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
145-BR-OL-EM	6.58633994	-45.81582914	1.000002	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
146-BR-OL-EM	6.57109411	-45.80889971	1.000004	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
147-BR-OL-EM	6.55582885	-45.80201359	0.999999	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
148-BR-OL-EM	6.54054424	-45.79517058	1.000001	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
149-BR-OL-EM	6.52523976	-45.78837222	1.000004	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
150-BR-OL-EM	6.50991594	-45.78161788	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
151-BR-OL-EM	6.49457277	-45.77490755	1.000005	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
152-BR-OL-EM	6.47921053	-45.76824143	0.999999	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
153-BR-OL-EM	6.46382922	-45.76161940	1.000004	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
154-BR-OL-EM	6.44842901	-45.75504176	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
155-BR-OL-EM	6.43301018	-45.74850804	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
156-BR-OL-EM	6.41757263	-45.74201888	0.999999	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
157-BR-OL-EM	6.40211654	-45.73557392	1.000004	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
158-BR-OL-EM	6.38664173	-45.72917414	1.000004	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4



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OL Point	Latitude (GG,DEC)	Longitude (GG,DEC)	Distance between the OL points (M)	Art. 76 Criterion	Art. 76 (4) Criterion	Line	FOS point
159-BR-OL-EM	6.37114938	-45.72281748	0.999996	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
160-BR-OL-EM	6.35563849	-45.71650592	1.000005	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
161-BR-OL-EM	6.34010960	-45.71023891	1.000004	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
162-BR-OL-EM	6.32457708	-45.70398062	1.000014	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
163-BR-OL-EM	6.30913920	-45.69749371	0.999993	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
164-BR-OL-EM	6.29368268	-45.69105099	1.000003	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
165-BR-OL-EM	6.27820791	-45.68465229	1.000005	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
166-BR-OL-EM	6.26271451	-45.67829922	0.999998	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
167-BR-OL-EM	6.24720347	-45.67198937	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
168-BR-OL-EM	6.23167417	-45.66572452	1.000004	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
169-BR-OL-EM	6.21612733	-45.65950341	1.000005	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
170-BR-OL-EM	6.20056221	-45.65332858	0.999997	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
171-BR-OL-EM	6.18497973	-45.64719757	1.000002	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
172-BR-OL-EM	6.16937980	-45.64111131	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
173-BR-OL-EM	6.15376240	-45.63506978	1.000006	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
174-BR-OL-EM	6.13812791	-45.62907298	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
175-BR-OL-EM	6.12247622	-45.62312111	1.000004	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
176-BR-OL-EM	6.10680762	-45.61721414	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
177-BR-OL-EM	6.09112219	-45.61135210	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
178-BR-OL-EM	6.07542002	-45.60553506	1.000001	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
179-BR-OL-EM	6.05970119	-45.59976302	1.000005	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
180-BR-OL-EM	6.04396599	-45.59403599	1.000002	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
181-BR-OL-EM	6.02821440	-45.58835415	1.000003	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
182-BR-OL-EM	6.01249347	-45.58258849	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
183-BR-OL-EM	5.99676911	-45.57683209	1.000005	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
184-BR-OL-EM	5.98102837	-45.57112114	0.999995	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
185-BR-OL-EM	5.96527126	-45.56545510	1.000004	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
186-BR-OL-EM	5.94949803	-45.55983417	1.000003	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
187-BR-OL-EM	5.93370878	-45.55425850	1.000001	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
188-BR-OL-EM	5.91790370	-45.54872811	0.999997	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
189-BR-OL-EM	5.90208278	-45.54324291	1.000003	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
190-BR-OL-EM	5.88624619	-45.53780307	1.000004	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
191-BR-OL-EM	5.87039413	-45.53240860	1.000002	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
192-BR-OL-EM	5.85452667	-45.52705949	1.000003	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
193-BR-OL-EM	5.83864401	-45.52175584	1.000001	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
194-BR-OL-EM	5.82274622	-45.51649764	1.000002	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
195-BR-OL-EM	5.80683350	-45.51128499	0.999998	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
196-BR-OL-EM	5.79090583	-45.50611788	1.000003	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
197-BR-OL-EM	5.77496350	-45.50099640	0.999999	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
198-BR-OL-EM	5.75900658	-45.49592047	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4

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OL Point	Latitude (GG,DEC)	Longitude (GG,DEC)	Distance between the OL points (M)	Art. 76 Criterion	Art. 76 (4) Criterion	Line	FOS point
199-BR-OL-EM	5.74303508	-45.49089026	1.000006	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
200-BR-OL-EM	5.72704936	-45.48590569	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
201-BR-OL-EM	5.71104942	-45.48096694	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
202-BR-OL-EM	5.69503536	-45.47607390	1.000004	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
203-BR-OL-EM	5.67900734	-45.47122695	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
204-BR-OL-EM	5.66296564	-45.46642537	1.000001	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
205-BR-OL-EM	5.64691026	-45.46166987	0.999998	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
206-BR-OL-EM	5.63084138	-45.45695964	1.000006	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
207-BR-OL-EM	5.61475882	-45.45229657	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
208-BR-OL-EM	5.59866312	-45.44767896	1.000001	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
209-BR-OL-EM	5.58255446	-45.44310654	1.000004	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
210-BR-OL-EM	5.56643239	-45.43858173	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
211-BR-OL-EM	5.55029763	-45.43410219	1.000002	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
212-BR-OL-EM	5.53415010	-45.42966882	1.000002	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
213-BR-OL-EM	5.51799005	-45.42528154	0.999997	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
214-BR-OL-EM	5.50181741	-45.42094043	1.000003	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
215-BR-OL-EM	5.48563244	-45.41664549	1.000001	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
216-BR-OL-EM	5.46943523	-45.41239691	1.000000	350 M	1% ST	S10-S11_seq237	06-BR-FOS-EM-B3_4
217-BR-OL-EM	5.45272427	-45.40777661	1.035415	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
218-BR-OL-EM	5.44084932	-45.39607183	0.996654	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
219-BR-OL-EM	5.42893505	-45.38432743	0.999999	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
220-BR-OL-EM	5.41702100	-45.37258295	1.000003	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
221-BR-OL-EM	5.40510635	-45.36083927	1.000004	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
222-BR-OL-EM	5.39319272	-45.34909497	0.999996	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
223-BR-OL-EM	5.38127912	-45.33735067	1.000005	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
224-BR-OL-EM	5.36936511	-45.32560708	1.000001	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
225-BR-OL-EM	5.35745194	-45.31386295	0.999998	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
226-BR-OL-EM	5.34553934	-45.30211829	1.000005	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
227-BR-OL-EM	5.33362643	-45.29037435	0.999998	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
228-BR-OL-EM	5.32171399	-45.27862995	1.000006	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
229-BR-OL-EM	5.30980142	-45.26688610	0.999998	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
230-BR-OL-EM	5.29788852	-45.25514260	1.000006	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
231-BR-OL-EM	5.28597665	-45.24339848	0.999998	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
232-BR-OL-EM	5.27406535	-45.23165390	1.000002	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
233-BR-OL-EM	5.26215266	-45.21991094	1.000003	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
234-BR-OL-EM	5.25024162	-45.20816655	1.000002	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
235-BR-OL-EM	5.23833045	-45.19642260	0.999998	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
236-BR-OL-EM	5.22641886	-45.18467911	1.000006	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
237-BR-OL-EM	5.21450804	-45.17293516	1.000002	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
238-BR-OL-EM	5.20259743	-45.16119122	1.000001	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4

Table 1 – Coordinates of the 297 fixed points that define the Outer Limit of the Brazilian Continental Shelf in the Equatorial Margin, beyond the limit of 200 M from the baselines, from which the breadth of the territorial sea is measured.

OL Point	Latitude (GG,DEC)	Longitude (GG,DEC)	Distance between the OL points (M)	Art. 76 Criterion	Art. 76 (4) Criterion	Line	FOS point
239-BR-OL-EM	5.19068669	-45.14944772	0.999997	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
240-BR-OL-EM	5.17877680	-45.13770342	1.000004	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
241-BR-OL-EM	5.16686668	-45.12595965	1.000000	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
242-BR-OL-EM	5.15495670	-45.11421589	1.000004	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
243-BR-OL-EM	5.14304757	-45.10247158	0.999999	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
244-BR-OL-EM	5.13113777	-45.09072818	0.999999	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
245-BR-OL-EM	5.11922810	-45.07898486	0.999998	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
246-BR-OL-EM	5.10731865	-45.06724145	1.000002	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
247-BR-OL-EM	5.09540998	-45.05549751	1.000001	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
248-BR-OL-EM	5.08350126	-45.04375383	1.000000	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
249-BR-OL-EM	5.07159267	-45.03201025	0.999999	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
250-BR-OL-EM	5.05968450	-45.02026639	1.000002	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
251-BR-OL-EM	5.04777583	-45.00852325	1.000002	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
252-BR-OL-EM	5.03586811	-44.99677949	0.999997	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
253-BR-OL-EM	5.02396053	-44.98503554	1.000007	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
254-BR-OL-EM	5.01205282	-44.97329214	0.999999	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
255-BR-OL-EM	5.00014516	-44.96154882	1.000002	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
256-BR-OL-EM	4.98823773	-44.94980541	1.000004	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
257-BR-OL-EM	4.97633090	-44.93806183	0.999996	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
258-BR-OL-EM	4.96442411	-44.92631815	1.000006	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
259-BR-OL-EM	4.95251729	-44.91457493	0.999997	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
260-BR-OL-EM	4.94061079	-44.90283143	1.000004	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
261-BR-OL-EM	4.92870489	-44.89108757	1.000002	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
262-BR-OL-EM	4.91679841	-44.87934453	1.000001	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
263-BR-OL-EM	4.90489243	-44.86760112	1.000003	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
264-BR-OL-EM	4.89298660	-44.85585790	0.999998	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
265-BR-OL-EM	4.88108119	-44.84411431	1.000004	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
266-BR-OL-EM	4.86917592	-44.83237090	0.999999	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
267-BR-OL-EM	4.85727071	-44.82062759	1.000001	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
268-BR-OL-EM	4.84536609	-44.80888391	1.000000	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
269-BR-OL-EM	4.83346109	-44.79714077	1.000002	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
270-BR-OL-EM	4.82155650	-44.78539746	1.000000	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
271-BR-OL-EM	4.80965224	-44.77365405	0.999999	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
272-BR-OL-EM	4.79774813	-44.76191065	1.000001	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
273-BR-OL-EM	4.78626935	-44.74964334	1.004835	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
274-BR-OL-EM	4.78192433	-44.73352155	0.999934	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
275-BR-OL-EM	4.77757837	-44.71739894	1.000001	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
276-BR-OL-EM	4.77323320	-44.70127625	1.000000	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
277-BR-OL-EM	4.76888026	-44.68515580	0.999996	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4
278-BR-OL-EM	4.76471533	-44.66989389	0.947427	350 M	1% ST	S10_seq235	07-BR-FOS-EM-B4

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OL Point	Latitude (GG,DEC)	Longitude (GG,DEC)	Distance between the OL points (M)	Art. 76 Criterion	Art. 76 (4) Criterion	Line	FOS point
279-BR-OL-EM	4.60723889	-44.57328889	11.041160	1% ST	1% ST	501-0021A	08-BR-FOS-EM-501-0021A
280-BR-OL-EM	4.34685000	-43.74157222	52.209710	1% ST	1% ST	501-0032A	11-BR-FOS-EM-B3_8
281-BR-OL-EM	3.88397500	-42.98187222	53.276070	1% ST	1% ST	501-0031	11-BR-FOS-EM-B3_8
282-BR-OL-EM	3.78965215	-42.86263767	9.102403	1% ST	1% ST	S2_seq204	11-BR-FOS-EM-B3_8
283-BR-OL-EM	3.14840247	-42.29224340	51.352780	1% ST	1% ST	S3_seq202	11-BR-FOS-EM-B3_8
284-BR-OL-EM	2.75708889	-41.66964722	44.075550	1% ST	1% ST	501-0029A	21-BR-FOS-EM-S4
285-BR-OL-EM	2.25565278	-40.91843333	54.141650	1% ST	1% ST	500-0508	25-BR-FOS-EM-B13
286-BR-OL-EM	2.73911475	-40.49428727	38.496400	1% ST	1% ST	S5_seq198	25-BR-FOS-EM-B13
287-BR-OL-EM	2.33186944	-39.61004722	58.400430	1% ST	1% ST	500-0507	25-BR-FOS-EM-B13
288-BR-OL-EM	2.48599650	-39.22990938	24.614100	1% ST	1% ST	S6_seq186	25-BR-FOS-EM-B13
289-BR-OL-EM	1.52093737	-38.95972637	59.862060	FOS + 60 M	FOS + 60 M	B13	25-BR-FOS-EM-B13
290-BR-OL-EM	1.28630181	-38.48207506	31.938320	1% ST	1% ST	S7_seq190	26-BR-FOS-EM-S6
291-BR-OL-EM	0.73023889	-37.65598611	59.724500	1% ST	1% ST	500-0504	27-BR-FOS-EM-500-0505
292-BR-OL-EM	0.72546555	-37.49313773	9.791808	1% ST	1% ST	S8-S9_seq193	27-BR-FOS-EM-500-0505
293-BR-OL-EM	0.12366944	-36.80043611	54.995480	1% ST	1% ST	500-0548A	37-BR-FOS-EM-B15
294-BR-OL-EM	-0.63666944	-36.54180278	47.984260	1% ST	1% ST	500-0502	39-BR-FOS-EM-500-0502
295-BR-OL-EM	-0.66286876	-35.54536728	59.910060	FOS + 60 M	FOS + 60 M	part5_B21_I	47-BR-FOS-EM-part5_B21_I
296-BR-OL-EM	-0.13148056	-35.14163333	39.943280	1% ST	1% ST	500-0501	49-BR-FOS-EM-part6_B21_I
297-BR-OL-EM	-0.59920421	-34.60780902	42.536640	200 M			