

EPSP 1909 Meeting Minutes

Meeting Introduction

* Meeting was called to order by Barry Katz EPSP Chair on September 4, 2019 at Texas A&M, College Station. It was acknowledge that this was the 100th meeting of PPSP/iPPSP/EPSP. It was also acknowledged that George Claypool will be retiring from the TAMU Safety Panel. George has served scientific ocean drilling since July 1975 as a member of the panel, ODP-PPSP Chair (twice), a sea going member of several cruises, and as a member of the TAMU Safety Panel.

* Host Mitch Malone provided a brief safety briefing and information on a reception hosted by TAMU.

* The Chair provided ground rules for the meeting, including how conflicts of interest are handled and the recommendations that the panel may make.

* A request was made for any additional revisions to the minutes. Having none brought forward the minutes from the past meeting are final and approved.

* Self introduction were made by all:

EPSP Members - Earl Doyle, Brandon Dugan, Lisa Hawkins, Barry Katz, Philippe Lapointe, Jacek Lupa, Jin-Oh Park, Ingo Pecher, Donald Potts, Craig Shipp, Dieter Strack

Proponents, Liaisons, and Guests - Jamie Allen, Daniel Alves, Stefan Bunz, Angelo Camerlenghi, Laurel Childress, George Claypool, Brad Clement, Neil Desilva, Emily Estes, Kevin Grigar, Sean Gulick, Tobais Hotig, David Iacopini, Luigi Jovane, Leah Levay, Andrew Madof, Mitch Malone, Kylara Martin, Tim McHargue, Greg Mountain, Clive Neal, Katerina Petronotis, Sverre Planke, Rob Pockalny, Tim Reston, David Scholl, Bob Stern, Warren Wood

Proposals Reviewed

IODP ID	Short Title	Submitted	Summary Result
943-SRR	Galicia Margin Rifting	2019-08-09 11:36:49	Reviewed; no changes
944-SRR	Mid-Norwegian Continental Margin Magmatism	2019-08-19 21:26:00	Reviewed; no changes
945-SRR	Brazilian Equatorial Margin Paleoceanography	2019-08-15 21:21:32	Reviewed; no changes
935-SRR	Arctic Fluid Flow Systems	2019-08-26 20:14:15	Reviewed; no changes
888-Full2	Aleutian Basin Formation	2018-10-08 23:29:21	Reviewed; no changes
962-SRR	Greenland Ice Sheet	2019-08-13 21:33:30	Reviewed; no changes
929-SRR	Blake Nose Subseafloor Life	2019-08-13 23:18:52	Reviewed; no changes
857C-SRR	Messinian Evaporite Demise	2019-08-12 23:39:10	Reviewed; no changes
851-SRR	Cenozoic Western North Atlantic Transect	2019-08-27 22:20:25	Reviewed; no changes

Summary Remarks

*Next meeting of EPSP will be held February 18 and 19, 2020 in College Station. To be included in the agenda will be proposals 909 and 932, deferred sites from 944, as well as any additional sites added to Proposal 851. Additional proposals may be added at the request of SEP or the JRFB.

* Craig Shipp once again noted problems with many of the presentations. This lead to a discussion on the need to have someone proofread the presentations prior to their submission. It was agreed that this will be a discussion item at the upcoming meeting of the "small group" in January. Craig further noted that the proponents need to present both time and depth sections with and without interpretations. In the zoomed section the vertical scale should be such that the depth to be penetrated should be about 50% of the image. The TD bar marker and the well stick should not interfere with the presentation of the data. The "stick" should be hung from the seafloor. Craig Shipp has volunteered to review the proposed changes to the EPSP presentation guidelines.

EPSP Proposal Summary

Proposal Review

GALICIA MARGIN RIFTING

Tim Reston presented the scientific overview and site-by-site review. The primary goal of the proposal was to differentiate between the different proposed rifting models for the Galicia Margin: 1 - depth dependent stretching; 2- polyphase faulting, or 3 - migrating faulting. It is believed that the spatial variation in the timing of rifting can be used to determine which model is most likely. The program is dependent on the sampling of the different synrift sequences. The proposal is in the vicinity of the previously drilled Leg 103. This prior drilling revealed that the organic matter was immature and that there were no indications of hydrocarbons. Planned drilling is outside of protected areas. The cable issue is yet to be resolved.

Proposed Sites

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
GAL-01B (Alternate)	42.1005 -12.4606	5097	1267	1267	Approved	
GAL-02A (Primary)	42.1010 -12.4233	5025	985	985	Approved	
GAL-03A (Alternate)	42.1075 -12.4222	5016	1084	1084	Approved	
GAL-04A (Alternate)	42.1749 -12.5524	5005	616	716	Approved (to revised depth)	Deepened to provide flexibility.
GAL-05A (Primary)	42.1058 -12.5482	5180	470		Declined	Shifted to GAL-05B
GAL-06B (Alternate)	42.0972 -12.5571	5192	350		Declined	Shifted to GAL-06C
GAL-07A (Alternate)	42.1848 -12.3256	4745	1075	1175	Approved (to revised depth)	Deepened to provide flexibility.
GAL-08A (Primary)	42.0964 -12.4628	5110	1297	1297	Approved	
GAL-09A (Primary)	42.1675 -12.5522	4963	532	630	Approved (to revised depth)	Deepened to account for potential need to drill further into basement.
GAL-10A (Alternate)	42.1591 -12.5538	4910	625	725	Approved (to revised depth)	Deepened to provide flexibility.

New Sites

EPSP Proposal Summary

New Sites - Continued

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
GAL-06C-new (Alternate)	42.0971 -12.5595	5193	350	350	Approved (to revised depth)	Shift to crossline 9800 - inline 467.
GAL-11A (Alternate)	42.1863 -12.3257	4732	1175	1175	Approved	Shift to crossline 11360 - Inline 850.
GAL-05B-new (Primary)	42.1058 -12.5506	5174	470	470	Approved (to revised location)	Shift to cross line 9860 - inline 505.

Additional Remarks (optional)

EPSP Proposal Summary

Proposal Review

MID-NORWEGIAN CONTINENTAL MARGIN MAGMATISM

Sverre Planke presented the scientific overview and site-by-site review. The proposal was developed to test the hypotheses - mantle plume vs rifting-associated with excess magmatism during the breakup of the northeast Atlantic through an examination of igneous rocks. The program requires sampling of basement. In addition, the drilling program will test how LIP volcanism has influenced short-term (Paleocene-Eocene Thermal Maximum) and long-term (Eocene Climate Optimum) global warming.

Proposed Sites

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
VMVM-07A (Primary)	67.3310 03.6215	1206	320	400	Approved	Deepened to provide flexibility.
VMVM-09A (Primary)	68.7605 05.7971	3156	550	550	Approved	
VMVM-10B (Alternate)	68.8306 004.1306	3237	750	750	Approved	
VMVM-20A (Primary)	64.9630 002.7518	2077	200	200	Approved	
VMVM-21A (Alternate)	64.9578 002.7488	2078	200	200	Approved	
VMVM-22A (Alternate)	64.9449 002.7889	2017	200	200	Approved	
VMVM-23A (Primary)	64.9651 002.7312	2137	200	400	Approved	Deepened to provide flexibility.
VMVM-24A (Alternate)	64.9599 002.7282	2145	200	400	Approved	Deepened to provide flexibility.
VMVM-25A (Alternate)	64.9515 002.7235	2160	200	400	Approved	Deepened to provide flexibility.
VMVM-31A (Primary)	65.3645 003.0563	1707	200	200	Approved	
VMVM-32A (Alternate)	65.3717 003.0605	1695	200	200	Approved	
VMVM-33A (Alternate)	65.4065 003.0947	1673	200	200	Approved	
VMVM-40A (Primary)	65.3584 003.0528	1696	200		Other	Deferred. Panel requests amplitude extraction of the sea floor event no more than 2x2 km over the site. Slope map for surface topography to be presented in using a gray scale. End of November date for an e-review.
VMVM-41A (Alternate)	65.3762 003.0632	1686	200		Other	Deferred. Panel requests amplitude extraction of the sea floor event no more than 2x2 km over the site. Slope map for surface topography to be presented in using a gray scale. End of November date for an e-review.
VMVM-42A (Alternate)	65.4086 003.0735	1695	200	300	Other	Deferred. Panel requests amplitude extraction of the sea floor event no more than 2x2 km over the site. Slope map for surface topography to be presented in using a gray scale. End of November date for an e-review.

EPSP Proposal Summary

Proposed Sites - Continued

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
VMVM-50A (Primary)	65.8311 002.0111	2195	800		Declined	Relocated to VMVM-50B
VMVM-51A (Alternate)	65.8735 001.9606	2147	800	800	Approved	
VMVM-55A (Alternate)	65.8310 002.0096	2197	200		Other	Original duplicate of primary location (VMVM50B) as modified. No need for a second approval.
VMVM-56A (Alternate)	65.8303 001.9928	2220	200	200	Approved	Change to a ribbon. Starting point SP 15300 to SP15460 on line CFI_MNR07-7319. Drilling approved between CDPs / shot points 15300 (65.8283 latitude, 001.9581 longitude) and 15460 (65.8304 latitude, 002.0017 longitude), along seismic line CFI_MNR07-7319.
VMVM-57A (Alternate)	65.8296 001.9782	2245	200		Other	Included in the ribbon of VMVM-56A
VMVM-58A (Alternate)	65.8290 001.9637	2271	200		Other	Included in the ribbon of VMVM-56A
VMVM-61A (Primary)	67.3069 003.7396	1200	240	300	Approved	Deepened to provide flexibility.
VMVM-62A (Alternate)	67.2893 003.6779	1198	230	300	Approved	Deepened to provide flexibility.
VMVM-71A (Alternate)	67.3386 003.6967	1200	300	400	Approved	Deepened to provide flexibility.
VMVM-80A (Primary)	68.6004 004.6428	2864	310	310	Approved	
VMVM-81A (Alternate)	68.6266 004.5848	2913	200	200	Approved	

New Sites

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
VMVM-55B (Alternate)	65.8316 2.0289	2186	200	800	Approved	Located at SP 15560 line CFI_MNR07-7319. The final drill depth request needs to be potentially reconsidered because it is replacing an 800 meter requested hole.

Additional Remarks (optional)

* Site VMVM-55B needs to be entered into the database as an addendum. Latitude, longitude and water depth needs to be provided to the Chair.
 * Start and end latitudes and longitudes need to be entered for the VMVM56A ribbon. CDPs / shot points 15300 (latitude, longitude) and 15460 (latitude, longitude), along seismic line CFI_MNR07-7319. This will need to be entered into the database as an addendum.

EPSP Proposal Summary

Proposal Review

BRAZILIAN EQUATORIAL MARGIN PALEOCEANOGRAPHY

David Iacopini presented the scientific overview and site-by-site review. The primary scientific objectives of the proposed program are: 1- the investigation of the relationship between climate, atmospheric CO₂, and eustatic conditions from the Eocene to the Mio/Pliocene; and 2- the examination of the relationship between Atlantic Meridional Overturning Circulation and the South American Monsoon System during the Cenozoic. It was noted that the study area included the Potiguar and Ceara basins, both of which are of interest to the petroleum industry.

Proposed Sites

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
PBEM-01B (Alternate)	-0.8407644444 -37.7896324444	4373	1164	1264	Approved (to revised depth)	Deepened to accommodate uncertainty.
PBEM-02C (Alternate)	0.113072 -38.15928	4401	638	738	Approved (to revised depth)	Deepened to accommodate uncertainty.
PBEM-03B (Alternate)	-3.2061111111 -37.5886111111	259	955	955	Approved	
PBEM-04B (Alternate)	-3.4156583333 -37.5198055556	280	902	902	Approved	
PBEM-05A (Primary)	-2.444500638889 -36.963564305556	3520	438		Declined	
PBEM-06A (Primary)	0.1214523056 -37.0647670833	4493	542	650	Approved (to revised depth)	Deepened to accommodate uncertainty.
PBEM-07A (Alternate)	0.1376591111 -34.9521935000	4517	490	540	Approved (to revised depth)	Deepened to accommodate uncertainty.
PBEM-08B (Alternate)	-2.235563 -37.316151	3414	420	420	Approved	
PBEM-09C (Primary)	-2.94746 -38.6048343	1581	688		Declined	
PBEM-10C (Alternate)	-2.906111194444 -38.62867002777	1436	802	802	Approved	
PBEM-12A (Alternate)	-3.2294361111 -37.5611777778	253	899		Declined	
PBEM-13A (Alternate)	-3.3823250000 -37.5475030000	282	962	962	Approved	
PBEM-14A (Primary)	-4.072515222 -37.02851975	1815	190		Declined	

EPSP Proposal Summary

Proposed Sites - Continued

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
PBEM-15A (Alternate)	-4.206811833 -36.7313375	2346	207	207	Approved	
PBEM-16A (Alternate)	0.116813 -37.629127	4462	541	600	Approved (to revised depth)	Deepened to accommodate uncertainty.
PBEM-17A (Alternate)	0.129727 -35.989207	4509	566	600	Declined	
PBEM-18A (Alternate)	-2.10152 -37.527998	3296	453	500	Approved (to revised depth)	Deepened to accommodate uncertainty.
PBEM-19A (Alternate)	-2.93105 -38.58682	1547	753	753	Approved	
PBEM-24A (Alternate)	-3.78652 -37.35026	1705	238	220	Approved (to revised depth)	Shallowed slighted. Terminated above a package of bright seismic reflectors.
PBEM-25A (Primary)	-3.915589 -37.4458	713	320	320	Approved	

New Sites

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
PBEM-14B-new (Primary)	4.0768 -31.0323	1806	190	190	Approved (to revised location)	Relocated from site PBEM-14A to POT-16 Crossline 8378 CDP 1116.
PBEM-9D-new (Primary)	-2.9161 -38.6098	1540	688	800	Approved (to revised location)	Relocated from site PEM-09C to crossline 3746 - SP1160.
PBEM-05B-new (Primary)	-2.46979 -36.97477	3525	438	500	Approved (to revised location)	Relocated from site PEM-05A to LEPLAC-513 SP 5840.
PBEM-12B-new (Alternate)	-3.2172 -37.5756	276	899	900	Approved (to revised location)	Relocated from site PEM-12A to LEPLAC-501 - SP1339.
PBEM-17B-new (Alternate)	0.1297 -35.9841	4509	566	600	Approved (to revised location)	Relocated from Site PBEM17A to LEPLAC_548A Shotpoint 3000.

EPSP Proposal Summary

Additional Remarks (optional)

* Numerous inconsistencies were reported between the presentation and the database. This complicated the review process.

EPSP Proposal Summary

Proposal Review

ARCTIC FLUID FLOW SYSTEMS (Preview)

Stefan Bunz presented a scientific overview of the program and then a general overview of the proposed drilling sites. The proposal aims to quantify the links between large-scale geologic and biologic processes that drive carbon cycling and control fluid expulsion in a tectonically active, ice sheet impacted system. Specifically the objectives are: 1- to constrain methane release and driving processes; 2- understand past climates and the growth and collapse of ice sheets, focusing on rates; 3- constrain the origin of methane (microbial, thermogenic, and abiogenic); 4- better understand geodynamic and hydrological processes at sediment covered ultra-slow mid-ocean ridges; and 5- compare and constrain variations in microbial communities in both sedimentary and crustal habitats. The target areas were noted the Vestnesa Ridge (a large sediment drift, with numerous pockmarks and active seepage) and Svyatogor Ridge (where hydrates with an abiogenic contribution are suspected). A formal site-by-site review was not conducted by the panel.

Proposed Sites

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
SVG-01A (Primary)	78.2596 5.8375	1522	550		Other	No detailed review.
SVG-02A (Alternate)	78.2453 5.7076	1589	350		Other	No detailed review.
SVG-03A (Primary)	78.2656 5.8985	1572	750		Other	No detailed review.
SVG-04A (Alternate)	78.2683 5.8766	1556	700		Other	No detailed review.
SVG-05A (Alternate)	78.2643 5.8351	1523	550		Other	No detailed review.
VST-01A (Primary)	78.9968 6.9635	1200	500		Other	No detailed review.
VST-02A (Primary)	79.0071 6.9041	1200	250		Other	No detailed review.
VST-03B (Alternate)	79.1826 4.5700	1536	650		Other	No detailed review.
VST-04A (Alternate)	78.8723 7.5116	1129	600		Other	No detailed review.
VST-05A (Alternate)	79.0321 7.0581	1293	550		Other	No detailed review.
VST-06A (Alternate)	79.0109 6.8813	1210	250		Other	No detailed review.
VST-07A (Alternate)	79.0172 6.8386	1213	250		Other	No detailed review.

EPSP Proposal Summary

Additional Remarks (optional)

- * All sites will need to be located on cross-lines.
- * Proponents will need to confirm the absence of chemosynthetic communities at all proposed drilling locations.
- * Bottom currents will need to be understood in order to assess potential impact and direction of drilling returns from the drill holes.
- * Profiles will need to be presented in both depth and time.
- * There needs to be clarification on the approval process required by the Norwegian government.
- * The panel is unlikely to approve an active vent, but would consider inactive vents. An explanation is required to support the logic used to determine active vs. inactive seep locations.
- * Drilling should target positions above BSRs.
- * Drilling should avoid apparent gas pockets (high amplitude anomalies/bright spots).
- * Need to understand operational protocol for dealing with fluid flow.

EPSP Proposal Summary

Proposal Review

ALEUTIAN BASIN FORMATION (Pre-proposal resubmission discussion)

The Aleutian basin proposal was deactivated by SEP based on concerns that it was unlikely that the original proposal would pass EPSP review. The concern expressed was largely based on the location of the planned sites on structural highs. A team of proponents (Kylara Martin, David Scholl, Bob Stern, and Warren Wood) was seeking guidance on what would be needed to be done in order for the proposal to have a reasonable probability of passing EPSP review. The proponents provided an overview of the original proposal. The proposal was developed to establish the origin of the Aleutian basin crust and the basin's mode of formation - plate capture or backarc spreading. The proposal requires sampling of basement to establish crustal age. It is the need to sample basement that resulted in the positioning of drilling targets on structure highs. Off-structure sediments were too thick to permit effective basement sampling. The original study focused on targets on three seamounts - Sounder, Farnella, and Pear. The team presented a general overview of the original sites so that the panel would be in a position to provide guidance.

Proposed Sites

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
FRNLA-02A (Primary)	57.2967 177.8779	3806	1094			
FRNLA-03A (Alternate)	57.2603 177.8742	3806	1302			
FRNLA-04A (Alternate)	57.3051 177.8789	3806	1310			
PEAR-02A (Primary)	56.5340 175.7563	3834	1294			
PEAR-03A (Alternate)	56.5618 175.6715	3838	1300			
PEAR-04A (Alternate)	56.5462 175.6881	3838	1312			
SOUND-01A (Primary)	58.45927 178.88529	3694	750			
SOUND-02A (Alternate)	58.48897 179.00574	3694	658			
SOUND-03A (Alternate)	58.4382 178.7981	3718	778			

Additional Remarks (optional)

- * EPSP suggested that the proponents focus on the Farnella seamount. There was a specific recommendation that the proponents consider a location between the proposed FRNLA-02A and FRNLA-04 locations.
- * A possible alternate site should be located slightly downdip from proposed FRNLA-03A.
- * The panel further recommends that the proponents examine the flanks of Sounder as the alternate, even though it is believed that Sounder has the wrong crustal type.
- * The Pear feature was not considered to have a clearly drillable opportunity.

EPSP Proposal Summary

Proposal Review

GREENLAND ICE SHEET

Joseph Stone presented the scientific overview and site-by-site review. The proposal was aimed at establishing the history of the Greenland Ice Sheet. Very limited data onshore and on the shelf are available as a result of glaciation to establish sedimentary history. Marine records will provide the continuous records required. In addition, the proposal will take advantage of new tracers than have been developed on the past decade. The proposal had four primary objectives: 1 - documentation and dating of the advance and retreat of the ice sheet during the Plio-Pleistocene; 2- reconstruct past regional climate states that may have influenced the Greenland Ice Sheet; 3- investigate the evolution of the DWBC and connections between the Greenland Ice Sheet and northern hemisphere glaciation; and 4- improve regional and global chronologies.

Proposed Sites

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
DAVIS-01A (Alternate)	64.467571 -55.3704	945	759	759	Approved	
DAVIS-02B (Alternate)	64.43132 -55.81954	1016	320	320	Approved	
DAVIS-03A (Primary)	64.45325 -55.5511	1005	381	381	Approved	
DAVIS-04A (Primary)	64.38463 -56.38342	746	385	385	Approved	
DAVIS-05A (Alternate)	64.58329 -56.34533	795	525	525	Approved	
DAVIS-06A (Alternate)	64.67335 -56.33904	812	558	558	Approved	
DAVIS-07A (Alternate)	64.56088 -56.59721	783	558	558	Approved	
DAVIS-08A (Alternate)	64.67842 -56.7207	782	641	641	Approved	
DAVIS-09A (Primary)	64.72726 -56.74568	777	642	642	Approved	
EIRIK-01B (Primary)	58.2130 -48.3960	3460	350	350	Approved	Re-drill of Site 646
EIRIK-02A (Primary)	58.55189 -46.3047	2556	321	321	Approved	
EIRIK-03A (Primary)	58.50194 -46.4083	2590	346	346	Approved	Less than 1 km from 1307
EIRIK-04A (Primary)	58.47751 -46.4592	2647	318	318	Approved	
EIRIK-05A (Alternate)	58.48485 -46.4438	2627	300	300	Approved	
EIRIK-06A (Alternate)	58.46042 -46.4944	2778	300	300	Approved	
EIRIK-07A (Alternate)	58.44542 -46.5254	2830	300	300	Approved	

EPSP Proposal Summary

Proposed Sites - Continued

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
EIRIK-08A (Alternate)	58.43412 -46.5484	2852	487	487	Approved	
EIRIK-10A (Alternate)	58.1766 -48.0645	3399	655	655	Approved	
EIRIK-11A (Alternate)	58.2402 -48.6512	3485	1055	1055	Approved	
EIRIK-12A (Alternate)	58.2845 -47.4289	3129	730	730	Approved	
EIRIK-13A (Alternate)	58.2383 -47.1779	3112	417	417	Approved	
EIRIK-14A (Alternate)	57.8029 -47.3911	3218	235	235	Approved	

Additional Remarks (optional)

EPSP Proposal Summary

Proposal Review

BLAKE NOSE SUBSEAFLOOR LIFE

Rob Pockalny presented the scientific objectives and a site-by-site review. This is a microbiology expedition. It has three primary objectives: 1- the determination as to whether subseafloor microbes migrate vertically through the sediment; 2- discover how chemical diffusion across major unconformities affects microbial communities in ancient sediments; and 3- test the influence of major ocean events on subseafloor communities.

Proposed Sites

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
BN-01A (Primary)	30.1424 -76.1122	2656	210	260	Approved (to revised depth)	Re-drill of Site 1049. Deepened.
BN-02A (Primary)	30.1000 -76.2350	2300	610	660	Approved (to revised depth)	Re-drill of Site 1050. Deepened.
BN-03A (Primary)	30.0529 -76.3576	1983	650	700	Approved (to revised depth)	Re-drill of Site 1051. Deepened.
BN-04A (Primary)	30.7595 -74.4665	3481	175	225	Approved (to revised depth)	Re-drill of Site 1060. Deepened.
BN-05A (Alternate)	29.9105 -76.1780	2601	350	400	Approved (to revised depth)	Re-drill of Site 392. Deepened.
BN-06A (Alternate)	29.9923 -76.5236	1630	200	250	Approved (to revised depth)	Re-drill of Site 1053. Deepened.
BN-08A (Alternate)	29.9515 -76.6266	1344	700	750	Approved (to revised depth)	Re-drill of Site 1052. Deepened.
BN-09A (Alternate)	29.9129 -76.7372	1125	330		Declined	
BN-10A (Alternate)	29.9207 -76.7165	1167	330	380	Approved (to revised depth)	Deepened.

EPSP Proposal Summary

Additional Remarks (optional)

All approved sites were extended by 50 meters to ensure objectives (including logging) could be obtained.

EPSP Proposal Summary

Proposal Review

DREAM: LAGO-MARE DEPOSITS

Angelo Camerlenghi presented the science overview and the site-by-site review for the Ionian basin. Andrew Madof presented the site-by-site review of the Levant basin. This program was part of an umbrella program aimed at obtaining a better understanding of the Messinian Salinity Crisis. The umbrella proposal had four questions: 1- what are the causes, timing and emplacement mechanisms for the Messinian salt; 2 -what are the factors responsible for early salt deformation and fluid flow across and out of the halite; 3- do salt giants promote diversity and activity in the deep biosphere; and 4- what are the mechanisms for vertical movements inside and along basin margins? Specific objectives of this proposal were: 1- to test whether fluvial systems were responsible for the termination of the salinity crisis; 2 - establish the role of climate change in the evolution of basin salinity; 3 - determine whether the return to a more normal marine condition was geologically instantaneous; 4 - identify microbial communities and the importance of bacterial sulfate reduction; 5- determine whether the microbial population was active in the formation of dolomites; and 6- test the viability of microbes in oil inclusions and interstitial spaces.

Proposed Sites

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
CYP-01A (Alternate)	34.66963889 34.72666667	1460	562	562	Approved	
CYP-02A (Alternate)	34.65775556 34.70861111	1445	562	562	Approved	
ION-01A (Primary)	35.8478 18.1963	4013	985	985	Declined	Re-drill and deepening of Site 374. Minor relocation new site is ION-01B.
ION-02A (Alternate)	35.8480 18.1455	4013	984	984	Approved	
ION-03A (Alternate)	35.8478 18.1707	4013	999	999	Declined	Final latitude and longitude provided at ION-03B. Final location - Inline M144/2 SP 1177 Xline M144/2 SP 2294.
LEB-01B (Primary)	34.28905556 35.16194444	1796	577	577	Approved	
LEB-02B (Alternate)	34.32202778 35.14777778	1808	634	634	Approved	
LEV-01B (Primary)	33.3284 33.1666	1733	648	648	Approved	
LEV-02A (Alternate)	33.5973 33.1919	2008	441		Declined	Related to LEV-02B.
LEV-03A (Alternate)	33.1196 33.4983	1698	589	589	Approved	
LEV-04A (Alternate)	33.1802 33.5230	1704	561		Declined	Panel has deferred a decision. Cross lines needed or will need to be relocated. This can be brought back to the panel for future review.
MAL-01A (Alternate)	35.3594 16.9549	3696	563		Declined	Relocated to MAL05A
MAL-02A (Alternate)	36.2477 15.8149	3573	1294		Declined	Relocated to MAL-02B.
MAL-03A (Primary)	36.1312 15.9504	3645	1051	619	Approved (to revised depth)	Depth reduced. Possible detachment structure present.
MAL-04A (Alternate)	36.3869 15.6523	3383	1236	877	Approved (to revised depth)	Depth reduced.

New Sites

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EPSP Proposal Summary

New Sites - Continued

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
MAL-02B-new (Alternate)	36.2404 15.8235	3473	1294	1294	Approved (to revised location)	Relocated Site MAL02B to MEM07-202 SP1950.
ION-01B-new (Primary)	35.847768 18.196645	4013	985	985	Approved (to revised location)	Corrected location InlineM144/2-11 SP842 and Xline M144/2-05 SP2109.
MAL-05A-new (Alternate)	35.4046 16.8623	3270	563	563	Approved	Replacement for Site MAL01A located at CU15-02B CDP27210.
ION-03B-new (Alternate)	35.847821 18.170674	4013	999	999	Approved (to revised location)	Located at Inline M144/2 SP 1177 Xline M144/2 SP 2294.
LEV-02B-new (Alternate)	33.5274 33.1858	1863	441	483	Approved	Relocated from LEV-02A to crossing of CCOP08-6026 and CCOP0-5029^a32ner001.

Additional Remarks (optional)

* The operator should be aware of the possibility of H2S in the recovered cores and the potential for stuck pipe.

EPSP Proposal Summary

Proposal Review

CENOZOIC WESTERN NORTH ATLANTIC TRANSECT

Greg Mountain presented the scientific objectives and site-by-site review. The proposal was aimed at determining the impact of the closing of Central America and Tethys on water circulation. This will be accomplished through the drilling of a north-south transect.

Proposed Sites

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
WNAT-01A (Primary)	33.8394 -49.2402	4826	625	625	Approved	Approved to basement, if greater depth is needed.
WNAT-02A (Primary)	38.2732 -38.3909	3815	546	546	Approved	Approved to basement, if greater depth is needed.
WNAT-03A (Alternate)	41.4655 -36.7441	4193	636	500	Approved	
WNAT-04A (Primary)	43.7213 -37.5705	3945	620	500	Approved (to revised depth)	Depth reduced.
WNAT-06A (Primary)	53.0147 -41.8091	3579	620		Declined	
WNAT-11A (Alternate)	33.8944 -49.2399	4893	611	611	Approved	Approved to basement, if greater depth is needed.
WNAT-12A (Alternate)	33.8389 -49.3066	4911	626	626	Approved	Approved to basement, if greater depth is needed.
WNAT-21A (Alternate)	38.1979 -38.3940	3705	540	540	Approved	Approved to tag basement and extend if needed.
WNAT-41A (Alternate)	43.7210 -37.3329	3961	620	620	Approved	
WNAT-61A (Alternate)	53.2819 -41.4757	3379	620	620	Approved	

New Sites

Site Name	Position (Lat, Lon)	Water Depth (m)	Requested Drilling Depth (m)	Approved Depth (m)	EPSP Decision	Remarks
WNAT-62A-new (Alternate)	53.2815 -41.4757	3379	620	450	Approved	The new site was located at RC603 -Shotpoint 3200 down to 5.45 twt.

EPSP Proposal Summary

Additional Remarks (optional)

This new site was located at RC603 -Shotpoint 3200 down to 5.45 twt.

It was noted that sites WNAT-01A, WNAT-11A, WNAT-12A do not need to be located on crosslines. Improved site locations can be developed and reviewed by EPSP.