

A R P 1985 SUMMARY

Two meetings were organized :

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|-------------------------|-----------------------|
| 1/ 25-28 March 1985 | Austin Texas (USA) |
| 2/ 18-20 September 1985 | Villefranche (France) |

1 - DISCUSSIONS ON THE PRESENT ATLANTIC PROGRAM

Most of the time was still devoted to discussions on drilling sites of Atlantic legs.

Were particularly discussed the leg 103 Galicia sites, the leg 107 Tyrrhenian sites, the leg 108 W.Africa sites and leg 110 Barbados sites.

Main recommendations are recalled in the annex.

2 - DISCUSSION ON FUTURE DRILLING IN THE ATLANTIC

Taking in account the time necessary for regional and site specific geophysical studies, the panel agrees that a new program must be already prepared and that workshops are a good mean to prepare this future and involve a large community.

The first JOI workshop proposed by ARP for Spring 1986 will be devoted to the South Atlantic, a somewhat forgotten part of the Atlantic in terms of scientific drilling.

Co-convenors should be Austin, Hayes and Sibuet.

An other workshop on the Arctic Ocean will be proposed for 1987.

3 - ARP MEMBERSHIP

Many seats were vacant in particular because UK and ESF members were no more present

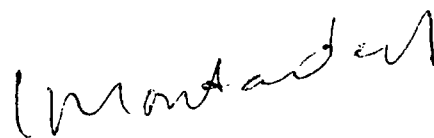
Following names were proposed to fill some of the vacant seats.

1. Petrology : Karson/Honnorez/Fox
2. Sedimentology : Vail
3. Sedimentology : Bernoulli/Enos/Normark/Mutti/Korvsmann.

4 - ARP CHAIRMANSHIP

L. MONTADERT would resign as chairman, but still stay in the Panel.

AUSTIN or TUCHOLKE were proposed as next chairman.



L. MONTADERT

Le 6 Janvier 1986

RECOMMENDATIONS

Leg 103 - Galicia

In conclusion, ARP reiterates its recommendations on leg 103 drilling that site 4b be drilled approximately one half to one kilometer east of its location in "Scientific prospectus N°3"; this will assure that the oldest and most complete section of synrift sediments which lap westward onto the pre-rift sediments, will be drilled. If the complete pre-rift section and basement cannot be penetrated at this site, then these objectives should be attacked at site 4a.

Leg 105 - Labrador Sea

Recommendations

ARP believes that Neogene and Paleogene paleoceanographic records should be major objectives at the leg 106 Baffin Bay and Labrador sea sites. Furthermore, the Baffin Bay site is sufficiently unique that, if conditions permit, time at this site should be extended and drilling should be continued as deep as possible even if this reduces time available for the Labrador Sea sites. Conversely, if weather precludes work in Baffin Bay, then drilling at Site LA5 should be done to basement to ensure that Neogene and Paleogene objectives are attained.

Yucatan basin

The panel emphasize again that Yucatan drilling must be a part of a suite of drillings in the Caribbean basins. An up to date proposal must be prepared with the help of Klitgord.

Leg 107 - Tyrrhenian Sea :

RECOMMENDATION

The ARP recommends unanimously the following order of priorities for leg 107 in the Tyrrhenian Sea:

	<u>Estimated Drilling Time</u>	<u>Logging</u>
Site 2	4.0 d	-0-
Site 1b (alt. 1a)	6.0 d	1.5 d
Site 3a (alt. 3a', then 4)	10.0 d	1.5 d
Site 5b	7.5 d	1.5 d
Site 7a	7.5 d	1.5 d
	<hr/> 35 d	<hr/> 6.0 d

At both sites 5b and 7a, ARP supports a scientific rationale calling for penetration of both the oldest observable sedimentary sequences and basement in order to estimate minimum oceanic (?) basement ages in both the Vavilov and Marsili basins.

At sites 1b (1a) and 3a (3a'/4), ARP recommends penetration to the base of the postulated synrift sequences discerned on both regional and site-specific MCS profiles

Leg 108 - W Africa

RECOMMENDATION

ARP has examined again the leg 108 proposed sites and their recently revised drilling estimates. Estimated times seem unrealistically short, and all eleven sites may not be achieved. Better times are needed in order to allow the sites to be prioritized in an order which will satisfy as many scientific objectives as possible. ARP recommends:

1. All sites be double-cored to maximize resolution and recovery, even if fewer sites can be occupied.
2. Logging not be done at any sites.
3. Better estimates of drilling times be provided by ODP
4. Sites be occupied in order of priority, rather than in order of geographic proximity, as much as feasible
5. Chiefs should provide a prioritized ranking of all eleven sites to ARP and SOHP.

Leg 110 - Barbados

J. Mutter - VSP on LAF 1 would be desirable. ARP agreed on this suggestion

In conclusion the ARP position on leg 110 is the following: ARP reaffirms its previous position that ODP proceed with Barbados leg 110, sites LAF 1-6, regardless of the availability of advanced technology such as wireline packer or drill-in casing. ARP believes that the first priority objective is to penetrate the decollement to oceanic crust, but the value of the leg as proposed does not hinge on this target. ARP strongly advocates the scientific objectives of sites LAF 1-6 proposed by Mascle and Moore, also by Tectonics Panel and Caribbean Working Group, that embody a partial transect across the Lesser Antilles forearc to investigate the changes in physical properties and deformation rates and mechanisms in the progressive growth of an accretionary prism. ARP recommends immediate

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Nevertheless ARP recommends that: if bare rock drilling does not work Kane FZ is still a priority leg.

Sub antarctic drilling

Recommendation

The ARP, after reviewing the subantarctic drilling plan submitted by SOHP to JOIDES, and while acknowledging its importance in providing potentially necessary "extra" time for Weddell Sea drilling, recommends that this drilling be considered within the broader perspective of South Atlantic drilling targets.

Unanimous.

Discussion on workshops

Within the next few years, ARP will promote workshops. The first one will be devoted to the South Atlantic.