

## OCEAN (Oceanic Abstracts)

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<b>Subject Coverage</b>	<ul style="list-style-type: none"> <li>• Marine Biology and biological oceanography and ecology</li> <li>• Physical and chemical oceanography and meteorology</li> <li>• Marine geology, geophysics, and geochemistry</li> <li>• Marine pollution and environmental protection</li> <li>• Living and non-living marine resources</li> <li>• Ships and shipping</li> </ul>																				
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<b>File Type</b>	Bibliographic																				
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<b>Features</b>	<table border="0" style="width: 100%;"> <tr> <td><a href="#">Alerts (SDIs)</a></td> <td>Monthly</td> <td></td> <td></td> <td></td> </tr> <tr> <td><a href="#">CAS Registry Numbers®</a></td> <td><input checked="" type="checkbox"/></td> <td>Page Images</td> <td><input type="checkbox"/></td> <td><a href="#">STN AnaVist</a> <input type="checkbox"/></td> </tr> <tr> <td><a href="#">Keep &amp; Share</a></td> <td><input checked="" type="checkbox"/></td> <td><a href="#">SLART</a></td> <td><input type="checkbox"/></td> <td><a href="#">STN Easy</a> <input type="checkbox"/></td> </tr> <tr> <td>Learning Database</td> <td><input type="checkbox"/></td> <td>Structures</td> <td><input type="checkbox"/></td> <td><a href="#">STN Viewer</a> <input type="checkbox"/></td> </tr> </table>	<a href="#">Alerts (SDIs)</a>	Monthly				<a href="#">CAS Registry Numbers®</a>	<input checked="" type="checkbox"/>	Page Images	<input type="checkbox"/>	<a href="#">STN AnaVist</a> <input type="checkbox"/>	<a href="#">Keep &amp; Share</a>	<input checked="" type="checkbox"/>	<a href="#">SLART</a>	<input type="checkbox"/>	<a href="#">STN Easy</a> <input type="checkbox"/>	Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>	<a href="#">STN Viewer</a> <input type="checkbox"/>
<a href="#">Alerts (SDIs)</a>	Monthly																				
<a href="#">CAS Registry Numbers®</a>	<input checked="" type="checkbox"/>	Page Images	<input type="checkbox"/>	<a href="#">STN AnaVist</a> <input type="checkbox"/>																	
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Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>	<a href="#">STN Viewer</a> <input type="checkbox"/>																	
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<b>Record Content</b>	<ul style="list-style-type: none"> <li>• <b>OCEAN (Oceanic Abstracts)</b> is a bibliographic database that covers topics relating to the seas. It focuses on ships and shipping, marine biology and physical oceanography, and environmental, technological, and legislative topics related to marine and brackish water environments.</li> <li>• OCEAN corresponds to the printed Oceanic Abstracts. Records contain bibliographic data, abstracts, and indexing information.</li> </ul>																				
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<b>File Size</b>	<ul style="list-style-type: none"> <li>• More than 464,288 records (10/2010)</li> </ul>																				
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<b>Coverage</b>	<ul style="list-style-type: none"> <li>• 1964 to present</li> </ul>																				
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<b>Updates</b>	<ul style="list-style-type: none"> <li>• Updated monthly</li> </ul>																				
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<b>Language</b>	English																				
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<b>Database Producer</b>	Cambridge Scientific Abstracts 7200 Wisconsin Avenue Bethesda, MD 20814 USA Phone: 800-214-2462 Phone: 301-968-1110 Fax: 734-997-4268 Email: <a href="mailto:support@cas.com">support@cas.com</a>																				
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<b>Sources</b>	<ul style="list-style-type: none"> <li>• Journals</li> <li>• Books</li> <li>• Monographs</li> <li>• Conference proceedings</li> <li>• Trade publications</li> <li>• Government reports</li> </ul>																				
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**User Aids**

- Source Journal List (available from database producer)
  - Descriptor Terms (available from database producer)
  - Online Helps (HELP DIRECTORY lists all help messages available)
  - STNGUIDE
  - [STN Database Guide](#)
- 

**Clusters**

- [ALLBIB](#)
  - [AUTHORS](#)
  - [BIOSCIENCE](#)
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**Pricing**

See the [STN Price List](#) or enter HELP COST at an arrow prompt (=>).

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## Search and Display Field Codes

There are no fields that allow left truncation.

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index (contains single words from the title, controlled and uncontrolled terms, and abstract)	None (or /BI)	S TSUNAMI? S HURRICANE# S WEATHER FORECASTING	AB, CT, TI, UT
Accession Number	/AN	S 2006:1066/AN	AN
Author	/AU	S KWIATKOWSKA B/AU	AU
Classification Code	/CC	S 2070/CC	CC
Classification Code (code and text) <b>(1)</b>		S METEOROLOGY/CC	
Controlled Term	/CT	S ICE DRIFT/CT	CT
Controlled Word	/CW	S ICE/CW	CT
Corporate Source <b>(1)</b>	/CS	S PORT AUTH?/CS	CS
Document Number	/DN	S 91-00184/DN	DN
Document Type (code and text)	/DT	S B/DT S BOOK/DT	DT, TC
Entry Date <b>(2)</b>	/ED	S ED>20051004	Not displayed
Field Availability	/FA	S AB/FA	AB, UT
File Segment	/FS	S O/FS	FS
International Standard (Document) Number (contains CODEN, ISSN, and ISBN)	/ISN	S S BOTNA7/ISN S 0044-8486/ISN S 3-900275-75-0/ISN	ISN, SO
Journal Title	/JT	S SEA TECHNOL?/JT	JT, SO
Language (code and text)	/LA	S DE/LA S GERMAN/LA	LA
Meeting Date <b>(2)</b>	/MD	S MD>=20050400 S MAY 16, 2005/MD	MD, SO
Meeting Location	/ML	S BERMUDA/ML	ML, SO
Meeting Organizer <b>(1)</b>	/MO	S UNIVERSITY OF ABERDEEN/MO	MO, SO
Meeting Title	/MT	S SHELLFISH?/MT	MT, SO
Meeting Year <b>(2)</b>	/MY	S 2005-2006/MY	MD, SO
Number of Contract	/NC	S ERDA/NC	NC, SO
Publication Date <b>(2)</b>	/PD	S "ERDA-E(45-1)-2229"/NC	SO
Publication Year <b>(2)</b>	/PY	S PD>=20051231	PY, SO
Report Number	/NR	S 2004/PY	NR, SO
Source	/SO	S NOAA-TR-NMFS-101/NR S ALGOL?/SO S ES/SL	ISN, JT, MD, ML, MT, NR, SO
Summary Language (code and text)	/SL	S SPANISH/SL S SALMON/TI	SL
Title	/TI	S C/TC	TI
Treatment Code (code and text)	/TC	S CONFERENCE/TC S UP>20051231	TC, DT
Update Date <b>(2)</b>	/UP		Not displayed

**(1)** Search with implied (S) proximity is available in this field.

**(2)** Numeric search field that may be searched using numeric operators or ranges.

**OCEAN****DISPLAY and PRINT Formats**

Any combination of formats may be used to display or print answers. Multiple codes must be separated by commas or spaces, e.g., D L1 1-5 TI AU. The fields are displayed or printed in the order requested.

Hit-term highlighting is available in all fields except PY. Highlighting must be ON during SEARCH in order to use the HIT, KWIC, and OCC formats.

<b>Format</b>	<b>Content</b>	<b>Examples</b>
AB	Abstract	D L4 1-4 AB
AN	Accession Number	D L1 3 AN
AU	Author	D AU 1,3-5
CC	Classification Code	D CC 5-10
CS	Corporate Source	D 1-3,7,8 CS
CT	Controlled Term	D CT
DN	Document Number	D DN 1-5
DT	Document Type	D L1 DT 3
FS	File Segment	D 1,3,6,8 FS L5
ISN (1)	International Standard (Document) Number	D ISN
JT (1)	Journal Title	D JT 2
LA	Language	D L8 LA 1-3
MD	Meeting Date	D 1,4 MD
ML	Meeting Location	D L1 ML
MO	Meeting Organizer	D MO
MT	Meeting Title	D MT L1 4
NC	Number of Contract	D NC 3,4
NR	Report Number	D NR
PY (1)	Publication Year	D PY 2 L5
SL	Summary Language	D SL 2
SO	Source	D L3 4 SO
TC	Treatment Code	D TC
TI	Title	D 5,3 TI
UT	Uncontrolled Term	D UT
ABS	AB	D ABS
ALL	AN, DN, TI, AU, CS, SO, PI, DT, FS, TC, LA, SL, AB, CT, UT	D 1-5 ALL
BIB	AN, DN, TI, AU, CS, SO, PI, DT, FS, TC, LA, SL (default)	D BIB
CBIB	Compressed bibliographic information	D CBIB
IALL	ALL, indented with text labels	D 1-5 IALL
IBIB	BIB, indented with text labels	D IBIB
IND	CC, CT, UT	D 1-10 CBIB IND
SAM	TI, CC, CT, UT	D 1, 5, 10 SAM
SCAN (2,3)	TI, CC, CT, UT (random display without answer numbers)	D SCAN
HIT	Fields containing hit terms	D 1 5 10 HIT
KWIC	Hit terms plus 20 words on either side (KeyWord-In-Context)	D KWIC
OCC (3)	Number of occurrences of hit terms and fields in which they occur	D OCC

(1) Custom display only.

(2) No online display charge for this option.

(3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN.

## SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/SELECT (1)	SORT
Abstract	AB	Y (2)	N
Accession Number	AN	Y	N
Author	AU	Y	Y
Classification Code	CC	Y	Y
Controlled Term	CT	Y	N
Corporate Source	CS	Y	Y
Document Number	DN	Y	Y
Document Type	DT	Y	Y
File Segment	FS	Y	Y
International Standard (Document) Number	ISN	Y (3)	Y
International Standard Book Number	ISBN	N	Y
International Standard Serial Number	ISSN	N	Y
Journal Title	JT	Y	Y
Language	LA	Y	Y
Meeting Date	MD	Y	Y
Meeting Location	ML	Y	Y
Meeting Organizer	MO	Y	Y
Meeting Title	MT	Y	Y
Number of Contract	NC	Y	Y
Publication Year	PY	Y (4)	Y
Report Number	NR	Y	Y
Source	SO	Y (5)	N
Summary Language	SL	Y	Y
Title	TI	Y (default)	Y
Treatment Code	TC	Y	Y
Uncontrolled Term	UT	Y (2)	N

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g.,  
SEL HIT TI.

(2) Appends /BI to the terms created by SELECT.

(3) Selects or analyzes the CODEN, ISSN, and ISBN and appends /ISN to the terms created by SELECT.

(4) SELECT HIT and ANALYZE HIT are not valid with this field.

(5) Selects or analyzes the CODEN, ISSN, and ISBN and appends /SO to the terms created by SELECT.

## Sample Records

### DISPLAY IALL

ACCESSION NUMBER: 2006:1096 OCEAN  
 TITLE: Acoustic navigation for ultra-precise seafloor mapping  
 AUTHOR: Hussong, D.M.; Blackinton, J.  
 CORPORATE SOURCE: Fugro Seafloor Surveys, Inc., 2727 Alaskan Way, Seattle, WA 98121, USA  
 SOURCE: Journal of the Acoustical Society of America [J. Acoust. Soc. Am.], (20050400) vol. 117, no. 4, p. 2410.  
 Meeting Info.: 149. Meeting. Acoustical Society of America. Joint meeting with the Canadian Acoustical Association. Vancouver, Canada. 16-20 May 2005.  
 ISSN: 0001-4966.  
 DOCUMENT TYPE: Journal  
 TREATMENT CODE: Conference; Abstract  
 FILE SEGMENT: 0  
 LANGUAGE: English  
 SUMMARY LANGUAGE: English  
 ABSTRACT: Numerous autonomous underwater vehicles (AUVs) are operating with very precise swath bathymetric mapping systems in ocean depths to 3 000 m and greater. Although these systems acquire data from positions known to a few centimeters accuracy with respect to the vehicle position, the positioning of the AUVs is generally no better than tens of meters at great depths. Although not yet assembled into an operational system, the technology now exists to acoustically navigate an AUV to within a 10 cm in x, y, and z. This begins by establishing active reference positions on the seafloor, known to within a few centimeers absolutely, using acoustic mirror transponders that transmit and receive streams of pulse coded signals from an accurately navigated surface vessel. These bottom reference positions can then be the core of a long baseline acoustic navigation system which, when coupled with constant monitoring of oceanographic conditions to calculate pressure corrections for depth measurements, will provide 10-cm navigation accuracy for the mapping AUV. Implementation of this technology will enable observational mapping of highly seismic areas where frequent earthquakes can cause many meters of deformation of the seafloor, and can generate massive tsunamis.  
 CLASSIFICATION: 7060 Navigation and Communications  
 CONTROLLED TERM: Acoustic navigation; Earthquakes; Underwater vehicles; Unmanned vehicles; Navigational charts; Depth measurement; Marine technology; Baseline studies; Seafloor mapping; Acoustic data; Transponders; Navigation; Positioning systems

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