

ICCAGRA Website

ICCAGRA Fall Meeting
October 21, 2008

Jason Tomlinson
Pacific Northwest National Laboratory

Website Discussion Topics

- ▶ What to add to the ICCAGRA NSF Website
- ▶ What would you like to see on the WIKI
 - New Topics
 - Calendar
 - Agency Updates
- ▶ Another other ideas?

NSF ICCAGRA Website

National Science Foundation
DIRECTORATE FOR
Geosciences (GEO)

SEARCH
NSF Web Site

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Atmospheric Sciences (ATM)

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GEO Organizations
Atmospheric Sciences (ATM)
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Proposals and Awards
Proposal and Award Policies and Procedures Guide
Introduction
Proposal Preparation and Submission
Grant Proposal Guide
Grants.gov Application Guide
Award and Administration
Award and Administration Guide
Award Conditions
Other Types of Proposals
Merit Review
NSF Outreach
Policy Office
Additional ATM Resources

Charter

INTERAGENCY COORDINATING COMMITTEE FOR AIRBORNE GEOSCIENCES RESEARCH AND APPLICATIONS

The Interagency Coordinating Committee for Airborne Geosciences Research and Applications (ICCAGRA) is established to improve cooperation, foster awareness, facilitate communication among sponsoring agencies having airborne platforms and instruments for research and applications, and serve as a resource to senior level management on airborne geosciences issues. The Committee will address interagency cooperation issues as they pertain to the use of airborne platforms and instrument payloads for individual investigators as well as national and international field campaigns.

Purpose and Functions
The primary purpose of the ICCAGRA is to increase the effective utilization of the Federal airborne fleet in support of airborne geoscience research programs conducted by the individual agencies. Specifically, the ICCAGRA will:

1. identify interagency needs and exchange research program schedules
2. improve coordination of airborne programs between agencies
3. ensure timely identification of airborne geosciences program requirements of participating agencies
4. enhance opportunities for interagency sharing of aircraft resources, airborne instrumentation and data to minimize duplication, and to expand science investigators' access to interagency assets
5. provide expertise about airborne science issues to senior level decision makers
6. evaluate the coordination processes and develop, as appropriate, interagency agreements to facilitate the transfer of airborne platforms or the purchase of reimbursable or cooperative flight time between cooperating agencies
7. establish and maintain an ICCAGRA Homepage to include: (a) the agencies' research aircraft capabilities; (b) a review of research aircraft usage covering the previous fiscal year and the expected flight plan for subsequent years; (c) recommendations to improve research aircraft utilization; (d) pointers to agency-specific airborne science net sites
8. convene a one day program review where all participants present a review of airborne programs and plans to agency personnel.

Structure
The ICCAGRA will consist of representatives from the principal geosciences research aircraft sponsoring agencies, e.g., NASA, NOAA, NSF, and ONR. A Chairman and an Executive Secretary will be elected annually from the principal agencies.

Meetings
Committee meetings will be called by the Chairman, who will also approve the agenda. The Committee will meet quarterly for the first year and thereafter on a suitable schedule as decided by committee members, but no less than two times per year. Minutes of each meeting will be prepared by the Executive Secretary and distributed in a timely manner to all participants.

Review
The charter for This committee will be reviewed every three years, commencing April 1, 1997, in consideration for continuation.

Termination
A member may withdraw from the committee at anytime by giving written notice to the other charter members.

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Interagency Coordinating Committee for Airborne Geoscience Research and Applications (ICCAGRA)

Charter

AIRBORNE GEOSCIENCE PROGRAM WEBSITES

NASA Headquarters Earth Science Enterprise	Department of Energy Citation Airborne Laboratory
NASA Dryden Flight Research Center	Naval Research Lab Military Flight Support
NASA Wallops Flight Facility P-3B Airborne Laboratory	NOAA Aircraft Operations Center
NSF South Dakota School of Mines and Technology T-28 Program	Office of Naval Research CIRPAS Project Office
NSF University of Wyoming King Air Program	NSF NCAR/ATD Programs

NSF ICCAGRA Website

The screenshot shows the NSF Directorate for Geosciences (GEO) website. At the top, there is a search bar with 'NSF Web Site' entered. Below the search bar are navigation links: GEO Home, GEO Funding, GEO Awards, GEO Discoveries, GEO News, and About GEO. The main content area is titled 'Interagency Coordinating Committee for Airborne Geoscience Research and Applications (ICCAGRA)' and features a 'Charter' link. A section titled 'AIRBORNE GEOSCIENCE PROGRAM WEBSITES' lists several partner organizations and their websites:

AIRBORNE GEOSCIENCE PROGRAM WEBSITES	
NASA Headquarters Earth Science Enterprise	Department of Energy Citation Airborne Laboratory
NASA Dryden Flight Research Center	Naval Research Lab Military Flight Support
NASA Wallops Flight Facility P-3B Airborne Laboratory	NOAA Aircraft Operations Center
NSF South Dakota School of Mines and Technology T-28 Program	Office of Naval Research CIRPAS Project Office
NSF University of Wyoming King Air Program	NSF NCAR/ATD Programs

The left sidebar contains a navigation menu with categories: ATM Home, About ATM, Funding Opportunities, Awards, News, Events, Discoveries, Publications, Career Opportunities, See Additional ATM Resources, View ATM Staff, Search ATM Staff, GEO Organizations (Atmospheric Sciences (ATM), Earth Sciences (EAR), Ocean Sciences (OCE)), Proposals and Awards (Proposal and Award Policies and Procedures Guide, Introduction, Proposal Preparation and Submission, Grant Proposal Guide, Grants.gov Application Guide, Award and Administration, Award and Administration Guide, Award Conditions, Other Types of Proposals, Merit Review, NSF Outreach, Policy Office).

- ▶ Make this page the primary page in search engines
- ▶ Add new headings
 - Upcoming Meetings
 - Past meetings and Further information
- ▶ Update list of Airborne Geoscience Programs

ICCAGRA WIKI Site



Hello Jason Tomlinson

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23 Sep 2008 - 06:53 GMT - Jason Tomlinson

ARM Wiki » ICCAGRA » Web Home

Interagency Coordinating Committee for Airborne Geoscience Research and Applications (ICCAGRA)

- New Items
- Next Meeting
- Useful Links
- NSF Website
- Setting Up Notifications
- Topic Map
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New Items

Posted September 11th, 2008

- NEW** Susan Schoenung has added draft charter for the ICCAGRA Unmanned Aircraft Systems (UAS) Working Group. [ICCAGRA UASWG charter](#)
Please review and post any comments you may have in this new [topic](#).

Posted July 31st, 2008

- Presentations and Minutes from the May 21st meeting are available for download. [May 21st meeting](#)*

Next Meeting

[October 21st, 2008 ICCAGRA Meeting Agenda](#)

October 21st 8:30 AM to 5:00PM at the new Airborne Science Facility in Palmdale, CA [Directions](#)



[image courtesy of NASA](#)

Useful Links

Member Agency	Web Site	WIKI
DOE ARM Aerial Vehicles Program	Link	WIKI Topic
DOE Research Aircraft Facility	Link	WIKI Topic

Done

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ICCAGRA WIKI Site

DOE Research Aircraft Facility	Link	WIKI Topic
European Fleet for Airborne Research (EUFAR)	Link	WIKI Topic
Inter-agency Working Group for Airborne Data and Telemetry Systems (IWGADTS)	Link	WIKI Topic
NASA Dryden Flight Research Center	Link	WIKI Topic
NASA ICCAGRA website	Link	
NASA Wallops Flight Facility P-3B Airborne Laboratory	Link	WIKI Topic
NSF/NCAR Earth Observing Laboratory	Link	WIKI Topic
NSF Office of Polar Programs	Link	WIKI Topic
NSF South Dakota School of Mines and Technology T-28 Program	Link	WIKI Topic
NSF University of Wyoming King Air Program	Link	WIKI Topic
Naval Research Lab Military Flight Support	Link	WIKI Topic
NOAA Aircraft Operations Center	Link	WIKI Topic
Office of Naval Research CIRPAS Project Office	Link	WIKI Topic

NSF Website



Setting Up Notifications

To be sent a daily email digest of additions/changes to the ICCAGRA wiki, add your name and email address to the [Notifications](#) topic. Please note that this only applies to the ICCAGRA wiki.

Topic Map

- ICCAGRA
 - Meeting Presentations And Minutes
 - Member Agencies
 - Web Preferences
 - Web Statistics
 - Web Utilities
- [open all](#) | [close all](#)

Comments

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03 Sep 2008 - 17:07 GMT - Jason Tomlinson

ARM Wiki » ICCAGRA » Meeting Presentations And Minutes » May 21st To 22nd 2008

May 21st to May 22nd Meeting

- Minutes
- Presentations
- Comments

Minutes

[ICCAGRA May 2008 Minutes](#)

Presentations

May 21st

1200	Opening Remarks - Andrew Roberts
1215	Keynote Opening Speaker - Dr. Michael Freilich: NASA Earth Science Director
1245	Jim Huning (NSF) – DLR/FAAM and EUFAR(European fleet for Airborne Research) /ICCAGRA joint meeting
1300	Larry Fritz – ISPRS
1320	Jim Webber (NASA) – ISRSE 2009
1330	Andy Roberts (NASA) – ISPRS Airborne Science Working Group

Break

1350	CDR Dan Eleuterio – NRL/VXS-1
	Jim Huning (NSF) – Status of airborne facilities
	Peter Milne (NSF) – US Antarctic Program Part 2
	Jason Tomlinson (DOE) - ARM Aerial Vehicle Program
	John Hubbe (DOE) - Atmospheric Sciences Program G-1
	Jim McFaden (NOAA) – Aircraft Operations Center.
	Ron Ferek & Dr FeTwin - CIRPAS/SOCAR

May 22nd

0830	Tom Cecere (USGS)
	Rick Shetter (UND/NSERC)
	Andrew Roberts (NASA)
	Chris Webster – IWGADTS Update Part2
	Jamal Abbed – ICAP Briefing
	Brenda Mulac (NASA/FAA) – NASA liason to FAA UAS Program Office
	Closing Discussions

Meeting Adjourned

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ARM Wiki » ICCAGRA » Member Agencies » DoE Arm Avp

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DOE ARM Aerial Vehicles Program

- Field Projects
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Field Projects

2009

- [Routine AVP Clouds with Low Optical Water Depths \(CLOWD\) Optical Radiative Observations \(RACORO\)](#)**

- The ARM Climate Research Facility's (ACRF) Aerial Vehicles Program (AVP) will be deploying airborne instruments to measure cloud, aerosol, and radiative properties in the vicinity of the Southern Great Plains (SGP) ACRF site during the Routine AVP Cloud with Low Optical Water Depths (CLOWD) Optical Radiative Observations (RACORO) field campaign. This deployment will be from **January 22nd to June 30th, 2009**. The Naval Postgraduate School Center for Interdisciplinary Remotely Piloted Aircraft Studies (CIRPAS) Twin Otter will be deployed to measure, temperature, humidity, total particle number, aerosol size distribution, concentrations of cloud condensation nuclei, updraft velocity, cloud liquid water, and cloud droplet size distributions. In addition upward and downward facing radiometers will be measuring the radiative properties of the clouds.

Current knowledge of boundary layer clouds and cloud processes is insufficient to resolve pressing scientific topics. Many boundary layer clouds have liquid-water paths (LWPs) less than 100 g m⁻² and are defined as being "thin" Clouds with Low Optical Water Depths (CLOWD). From the tropics to the Arctic, 50% or more of the liquid-water clouds are believed to have LWPs below this limit, and the Earth's radiative energy balance is particularly sensitive to small changes in their LWPs. It is difficult to retrieve the properties of these clouds accurately because they are tenuous and often broken. This greatly complicates obtaining the routine, long term statistics needed to address pressing science topics. Our understanding of CLOWD-type clouds can be greatly improved by acquiring in-situ data that has been sorely lacking and is needed to develop and evaluate retrievals.

The RACORO field campaign is designed to fulfill the aforementioned knowledge gap. The field campaign will be conducting long-term, routine flights below, within, and above boundary layer liquid water clouds in the vicinity of the SGP ACRF site during the first half of 2009. The flights will be designed to obtain representative statistics of cloud microphysical, aerosol, and cloud radiative properties.

- [Small Particles in Cirrus \(SPart ICus\)](#)**

- [October 2009 to May 2010](#)** - This project is currently in the preliminary planning phase

2008

- [Indirect and Semi-Direct Aerosol Campaign \(ISDAC\)](#)**

- An intensive cloud and aerosol observing system obtained airborne measurements during the Indirect and Semi-Direct Aerosol Campaign (ISDAC) at the ACRF North Slope of Alaska locale in April 2008. Taking place during the International Polar Year, many ancillary observing systems collected data to allow synergistic interpretation of ISDAC data. This period also provides an important contrast with the October 2004 [Mixed-Phase Arctic Cloud Experiment \(M-PACE\)](#). Cloud property measurements obtained during ISDAC can be used to evaluate cloud simulations and evaluate cloud retrievals from M-PACE, and the aerosol measurements can be used to evaluate the aerosol retrievals. By running the cloud models with and without solar absorption by the aerosols, scientists can determine the semi-direct effect of aerosols on clouds.

Related aircraft studies by the National Aeronautics and Aerospace Administration and the National Oceanic and Atmospheric Administration occurred at the same time in the same study area. Research flights by the Convair-580 were coordinated with three NASA and one NOAA aircraft when possible, as well as with satellite overpasses. Take a [virtual tour](#) of the Convair-580 probes

2007

- [Cloud and Land Surface Interaction Campaign \(CLASIC\)](#)**

- The Cloud and Land Surface Interaction Campaign (CLASIC) was conducted at the ACRF [Southern Great Plains \(SGP\)](#) field measurement site in June of 2007. This cross-disciplinary interagency researched how land surface processes influence cumulus convection. Cumulus convection is an important component in the atmospheric radiation budget and hydrologic cycle of the SGP, particularly during the summertime growing season. Human induced changes in the land surface structure associated with plowing, crop rotation, and irrigation can induce changes in the surface latent heat flux, sensible heat flux, albedo, and carbon flux. Changes in surface energy balance and moisture transport to the boundary layer influence cloud processes, thus create a feedback loop.

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Calendars

October 2008						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
			01	02	03	04
05	06	07	08	09	10	11
12	13	14 AVP Airborne Instrument Workshop	15 AVP Airborne Instrument Workshop	16 AVP Airborne Instrument Workshop	17	18
19	20	21	22 ICCAGRA Meeting	23	24	25
26	27	28	29	30	31	

November 2008						
Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
						01
02	03	04	05	06	07	08
09	10	11	12	13 ISDAC Data Workshop	14 ISDAC Data Workshop	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30						

Comments

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---+!!DOE ARM Aerial Vehicles Program

%TOC% <!-- Table of Contents (auto generated from headings) -->

---+Field Projects

---+2009

* *%BLUE%Routine AVP Clouds with Low Optical Water Depths (CLOWD) Optical Radiative Observations (RACORO)%ENDCOLOR%* *%BR%*
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---+Calendars

%CALENDAR(showweekdayheaders="1" cellheight="50" width="600" cellalignment="left" vcellalignment="top")%
%CALENDAR(month="11" year="2008" showweekdayheaders="1" cellheight="50" width="600" cellalignment="left" vcellalignment="top")%

<!--
* 14 Oct 2008 - 16 Oct 2008 - AVP Airborne Instrument Workshop
* 22 Oct 2008 - ICCAGRA Meeting
* 13 Nov 2008 - 14 Nov 2008 - ISDAC Data Workshop
-->

<-- End topic content -->

---+Comments

Your signature to copy/paste: -- Jason Tomlinson - 06 Oct 2008

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08 Jul 2005 - 17:10 GMT - TWiki Contributor

TWiki User's Guide

Documentation for TWiki users.

- **TWiki Quick Start**
 - [Welcome Guest](#): A fast track intro covering all the basics
 - [ATaste Of TWiki](#): A short introduction training course for beginners
 - [TWiki Registration](#): Sign up so you can edit pages and select options
- **One-Page Primers**
 - [TWiki Site](#): Ultra-compact, 2-minute TWiki primer
 - [TWiki Tutorial](#): A compact, 20-minute TWiki primer
 - [TWiki Topics](#): Customize, rename, move, or delete TWiki topics
 - [Search Help](#): Tips and help on search
 - [Good Style](#): Working tips for an open collaboration environment
 - [TWiki Shorthand](#): All of the TWiki shorthand basics
 - [Text Formatting Rules](#): Scan all TWiki text formatting rules on one page
 - [TWiki Variables](#): How to easily embed text, graphics, dynamic content
 - [File Attachments](#): Browser-upload files for distribution or display
 - [Web Changes Alert](#): Get e-mail alerts linking to the latest page changes
 - [TWiki Glossary](#): A simple glossary of TWiki terms
- **TWiki Help FAQs**
 - [TWiki FAQ](#): The first things people ask about TWiki
 - [Text Formatting FAQ](#): Common how-to questions about posting in TWiki
 - Frequent users should also browse the full [Reference Manual!](#)
- **Help on [Installed Plugins](#)**

- [Spread Sheet Plugin](#) (any TWiki, 10197): Add spreadsheet calculation like "`=$SUM($ABOVE())`" to TWiki tables and other topic text
- [Batch Upload Plugin](#) (1.3, 13204): Attach multiple files at once by uploading a zip archive
- [Bread Crumbs Plugin](#) (v1.00, \$Rev: 13657 (08 May 2007) \$): A flexible way to display breadcrumbs navigation
- [Calendar Plugin](#) (Dakar, 9113): Show a monthly calendar with highlighted events
- [Comment Plugin](#) (Dakar, 11359): Allows users to quickly post comments to a page without an edit/preview/save cycle
- [Edit Table Plugin](#) (any TWiki, 11646): Edit TWiki tables using edit fields, date pickers and drop down boxes
- [Filter Plugin](#) (1.21, \$Rev: 13612 (02 May 2007) \$): Substitute and extract information from content by using regular expressions
- [Flex Web List Plugin](#) (v1.00, \$Rev: 13659 (08 May 2007) \$): Flexible way to display hierarchical weblists
- [Glue Plugin](#) (1.51, \$Rev: 112205): Enable TWikiML to span multiple lines
- [If Defined Plugin](#) (v0.96, \$Rev: 12311\$): Render content conditionally
- [Image Gallery Plugin](#) (3.61, \$Rev: 15576 (13 Nov 2007) \$): Displays image gallery with auto-generated thumbnails from attachments
- [Interwiki Plugin](#) (Dakar, \$Rev: 11935\$): Link `ExternalSite:Page` text to external sites based on aliases defined in a rules topic
- [Nat Skin Plugin](#) (3.00-pre12, \$Rev: 13070 (06 Mar 2007) \$): Supplements the bare bones [Nat Skin](#) theme for TWiki
- [Preferences Plugin](#) (Dakar, 9839): Allows editing of preferences using fields predefined in a form
- [Slide Show Plugin](#) (Any TWiki, \$Rev: 12847\$): Create web based presentations based on topics with headings.
- [Smilies Plugin](#) (Dakar, 8154): Render smilies as icons, like ☺ for `:~)` or ☹ for `:.ek:=`
- [Spaced Wiki Word Plugin](#) (Dakar, \$Rev: 13635 (05 May 2007) \$): Display TWiki links spaced out
- [Table Plugin](#) (1.020, 12339): Control attributes of tables and sorting of table columns
- [Tree Browser Plugin](#) (v1.8): Renders a list as a collapsible/expandable tree.
- [Tree Plugin](#) (1.2): Dynamic generation of TWiki topic trees
- [Twisty Plugin](#) (1.2.0, \$Rev: 12154\$): Twisty section JavaScript library to open/close content dynamically

Done

Internet

100%

HELP!!!

Hello Jason Tomlinson

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Wiki Configuration
AVP
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RACORO

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19 Mar 2006 - 20:23 GMT - TWiki Contributor

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 - ↓ [ACTIVATEDPLUGINS -- list of currently activated plugins](#)
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 - ↓ [AQUA -- start aqua colored text](#)
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 - ↓ [AUTHREALM -- authentication realm](#)
 - ↓ [BASETOPIC -- base topic where an INCLUDE started](#)
 - ↓ [BASEWEB -- base web where an INCLUDE started](#)
 - ↓ [BB -- bullet with line break](#)
 - ↓ [BB2 -- level 2 bullet with line break](#)
 - ↓ [BB3 -- level 3 bullet with line break](#)
 - ↓ [BB4 -- level 4 bullet with line break](#)
 - ↓ [BLACK -- start black colored text](#)
 - ↓ [BLUE -- start blue colored text](#)
 - ↓ [BR -- line break](#)
 - ↓ [BROWN -- start brown colored text](#)
 - ↓ [BULLET -- bullet character](#)
 - ↓ [DATE -- signature format date](#)
 - ↓ [DISPLAYTIME -- display time](#)
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 - ↓ [GRAY -- start gray colored text](#)
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 - ↓ [GROUPS -- a formatted list of groups](#)
 - ↓ [H -- help icon](#)
 - ↓ [HOMETOPIC -- home topic in each web](#)
 - ↓ [HTTP -- get HTTP headers](#)
 - ↓ [HTTP_HOST -- environment variable](#)
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 - ↓ [I -- idea icon](#)
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 - ↓ [INCLUDE\("page"\) -- include other topic or web page](#)
 - ↓ [INCLUDINGTOPIC -- name of topic that includes current topic](#)
 - ↓ [INCLUDINGWEB -- web that includes current topic](#)
 - ↓ [LANGUAGE -- current user's language](#)

Done

Internet 100%

ENDCOLOR -- end colored text

- ENDCOLOR is a rendering shortcut settings predefined in [TWiki Preferences](#). See the section [rendering shortcut settings](#) in that topic for a complete list of colors.
- Syntax: `§RED§ red text §ENDCOLOR§`
- Expands to: `red text`
- **Note:** `§<color>§ text` must end with `§ENDCOLOR§`. If you want to switch from one color to another one you first need to end the active color with `§ENDCOLOR§`, e.g. write `§RED§ some text §ENDCOLOR§ §GREEN§ more text §ENDCOLOR§`.
- Related: [VarAQUA](#), [VarBLACK](#), [VarBLUE](#), [VarBROWN](#), [VarGRAY](#), [VarGREEN](#), [VarLIME](#), [VarMAROON](#), [VarNAVY](#), [VarOLIVE](#), [VarORANGE](#), [VarPINK](#), [VarPURPLE](#), [VarRED](#), [VarSILVER](#), [VarTEAL](#), [VarWHITE](#), [VarYELLOW](#), [TWikiPreferences](#), [Standard Colors](#)

ENDSECTION("name") -- marks the end of a named section within a topic

- Syntax: `§ENDSECTION("name")§`
- Syntax: `§ENDSECTION(type="include")§`
- Supported parameter:

Parameter:	Description:
"name"	Name of the section.
type="..."	Type of the section being terminated; supported types "section", "include", "templateonly".

- If the `STARTSECTION` is named, the corresponding `ENDSECTION` must also be named with the same name. If the `STARTSECTION` specifies a type, then the corresponding `ENDSECTION` must also specify the same type. If the section is unnamed, `ENDSECTION` will match with the nearest unnamed `§STARTSECTION§` of the same type above it.
- Related: [STARTSECTION](#)

FAILEDPLUGINS -- debugging for plugins that failed to load, and handler list

- Syntax: `§FAILEDPLUGINS§`
- Expands to: See [TWiki Plugins#FAILEDPLUGINS](#)
- Related: [PLUGINDESCRIPTIONS](#), [ACTIVATEDPLUGINS](#), [PLUGINVERSION](#)

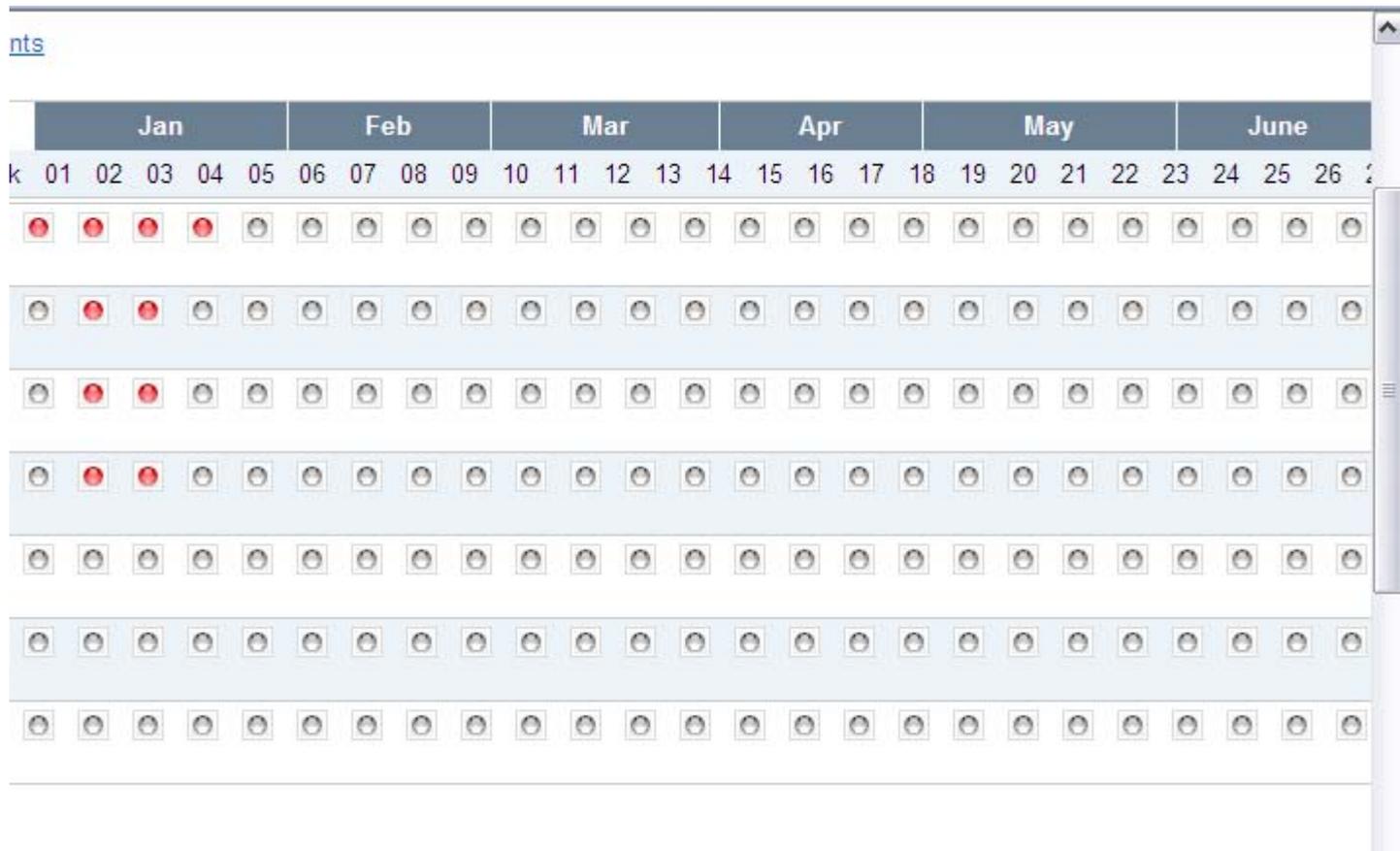
FORMFIELD("fieldname") -- renders a field in the form attached to some topic

- Syntax: `§FORMFIELD("fieldname")§`
- Supported parameters:

Parameter:	Description:	Default:
"fieldname"	The name of a TWiki form field	required
topic="..."	Topic where form data is located. May be of the form <code>Web.TopicName</code>	Current topic
format="..."	Format string. <code>§value</code> expands to the field value, and <code>§title</code> expands to the field title	"§value"
default="..."	Text shown when no value is defined for the field	""
alttext="..."	Text shown when field is not found in the form	""

- Example: `§FORMFIELD("ProjectName" topic="Projects.SushiProject" default="(not set)" alttext="ProjectName field found")§`
- Related: [SEARCH](#)

Aircraft Status



Website Discussion Topics

- ▶ What to add to the ICCAGRA NSF Website
- ▶ What would you like to see on the WIKI
 - New Topics
 - Calendar
 - Agency Updates
- ▶ Another other ideas?