

Top New Features

Enhancements in the **GoTo** Window

User Interface Enhancements

- The **GoTo** window tabs in colour and with icons.
- NEW! Hyperventilation tab added.
- The GoTo Window now shows Study Time or Real Time. User can change by right clicking on the column header.
- **GoTo** list now selects the last viewed annotation in the EEG traces - so that it updates while user scrolls through EEG data.

Real Time	Tag	Event Type	Catego	v	Duration	
31/01/201	Show Date ar	nd Time as Real Ti	me	otations		
31/01/201	Show 24 hou	r clock		otations		
31/01/2014 0	0:	Kept Selection			05s	
31/01/2014 0	0: ?	Annotation	All Ann	otations		
31/01/2014 0	0: OPEN E	Annotation	All Ann	otations	05s	
31/01/2014 0	0: This is i	Annotation	All Ann	otations	06s	
	· · ·				00	*
Start Date	30/Jan/2014 *	End Date	3	1/Jan/2014 💌	· -	
Start Time	16:49:35	End Time	e 1	0:46:38 🛢		
Event Types	All		Ch	ange		
	Filter on 'Tag'	م	•			1.00
	·					
⊗Time	PBookm	🖌 Annota 🕼	Photic	🛛 🤬 Hyperv	/	ent B All

The GoTo window only shows events during recording.

	Goto - All						Ψ×			
ŝ	Date	Time	Event Type	Tag	Category	Duration	n 🔺			
E	30/01/20	10:45:06 PM	Annotation	Says something	All Annotation	ns				
ev	30/01/20	10:45:16 PM	Annotation	Looks to left	All Annotation	าร				
Ð	30/01/20	10:45:31 PM	Annotation	Mum presses e	v All Annotation	าร				
÷	30/01/20	10:45:38 PM	Event Button	Event Button P	Goto - All			_	1	a x
8	30/01/20	11:41:10 PM	Annotation	left fronto/tem	Study Time	Tag	Event Type	Category	Duration	Concession of the local division of the loca
ē	30/01/20	11:42:07 PM	Annotation	left from	00s		Recorded Se.		37s	=
e	30/01/20	11:46:18 PM	Annotation	stirs	00s		EEG Data		37s	
<u>a</u>	31/01/20	12:03:18 AM	Video		06s	BOTTLE	Annotation	Techs		
	31/01/20	12:03:19 AM	Recorded Data		11s	HICCUP	Annotation	Techs		
	31/01/20	12:03:20 AM	Kept Selection							_
	31/01/20	12:03:23 AM	Annotation	ccvbcvb	All Annotation	ns 03s				
	31/01/20	12:03:24 AM	Annotation	OPEN EYESpp	All Annotation	ns				
	31/01/20	12:03:25 AM	Annotation	Sleeping quietly	All Annotation	ns				
	31/01/20	12:03:26 AM	Annotation	POOR EFFORT	All Annotation	ns 01s				
	31/01/20	12:03:29 AM	Annotation	?	All Annotation	ns				
	31/01/20	12:03:29 AM	Annotation	SLEEPING	All Annotation	าร				

Filter by text or by Category

In both the All tab and the Annotation tab you can now filter text in the "Tag" column and also by category.



"Save Data" Event

When data is marked for deletion (marked with a dark shaded region), the Time tab of the **GoTo** window now shows the sections of data which will remain after deletion. These are shown as event type "Save Data".





Top New Features



Quick Annotate Window

A **Quick Annotate** function has been added to show the quick annotations.

05m 57s		Rec. start:
Quick Ann	otate	×
Patient ac	tions	-
	Open Ey	/es
C	lose E	yes
	Swallo	w
	Talkin	g
	Movin	g
	Drows	ÿ
	Coughi	na

Previous Quick Annotate

3 ECG Trace and heart rate added

A special ECG trace with heart rate is available.

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4 Enhanced Annotation

Easier use of Categories and Editing of Annotations

The **Annotation window** uses categories to access annotations. You can also easily edit, delete, add or remove from Quick List.

Spell checking and

auto complete added >

innotate				
Category		Annotations in category		
External Stimulus Hardware Other Patient actions Patient state		Activity Chewing Clench Teeth Close Eyes Coughing Coughing frequenity ertertet Eye Movement		+ III +
Coughing frequently	frequent	tly	Insert	
	Add Ignore			
	Undo	Alt+Backspace		
	Cut	Shift+Delete		
	Сору	Ctrl+C		
	Paste	Ctrl+V		
	Select A	11		
	Open cu	istom dictionary		

5 Umbrella View

Allows users to group multiple recordings in one study

Using Profusion EEG5 combined with **Profusion Nexus**, the user can now merge multiple recordings from one patient into one study with just a few easy clicks.

The **Umbrella Window** shows all the recordings and annotations in a single study and allows easy navigation to any point in the combined study.

This allows quicker review and assists with improved diagnosis.







5 Support for Switch Matrix* and Cortical Stimulator

profusionEEG



3 Merging Studies

It is now possible to **merge studies**. The more recent of the selected studies are merged into the oldest selected study.

w Reco	nd Live Video Rec	Monitor Monitor BeVideo • Pa	etack peback Tripedance Calibri Routin	ation	Goto	Group EEG	70 70 7	s Recorded C Correction fip Traces	ard
Date 17/06/2 8/06/2014 9/05/2 9/07/2 9/07	Time 52325. 11384. 12064. 12064. 11470. 111470. 111470. 11475. 43027. 42742. 42742. 42434. 42434. 42434. 42434. 42434. 21909. 23943. 21909.	Physician	Patient a test Test Antibo test533 ghtdindt	Refere	Directory 2014/0617(96 2014/063)27 2014/0539(97 2014/0539(97 2014/0403)65 2014/0403(96 20121023)47 20121023(97 20121023)47 20121023(97 20121023)47 20121023(47 20121023)47 20121016(96 20121016)16	Statu: ▲ FA. FA	Notes	1 Study	Trace Tools
30/01/2 30/01/2	4.49.35		Sample Siesta Sample Siesta	891234 128456	Export#18_1 Export#18_1	6 7		Merge Studies	3
<	EG\Docum	vents\EEG Studies\	m	÷	Reb	ald Study List	Using "Loca	/ Study Manage	<i>91</i> ⁴

Custom Trace Groups

Add **Custom Trace Groups** when configuring electrode placements. Groups can be assigned colours, initial sensitivities, filter values and of course electrodes. This is particularly useful when setting up grid patients.

When creating a reference montage from an electrode placement, the electrodes will automatically adopt the colours, sensitivity and filter settings of the group they are in.







Retrieve Lost Packets (Siesta Amplifiers)

Lost data can now be retrieved from Siesta recordings if you record to hard disk and the data card. This can be done at the end of the recording while the Siesta is still connected. **ProfusionEEG5** will prompt the user, or can be done later via the data card.



Top New Features



10 Floating Toolbar

orofusionEEG

A floating toolbar appears when you hover the mouse pointer over the trace labels. This allows you to change the sensitivity and filters of ALL traces in the trace group in which the hovered over trace is in. You can also change the time base.



sensitivity and filters works on the group in which the hovered over trace is in.

FFT Spectrum



Principal / Independent Component Analysis (PCA/ICA) and Source Localisation

Visualize your EEG with Show Cursors Ellipsoids Principal / Independent Time Range Group EEG **Component Analysis (PCA/ICA)** PCA/ICA Source Image Data H Show Movie and Source Localisation Now available as an option in Source Localisation Profusion EEG5. PCA/ICA Analysis L. 8/0 Analysis 40.3uV 🔻 🔻 1. Defa PCA
OICA Pattern ICA to search 4 🌲 Visible < Principal / Independent Apply filter to **Component Analysis** - Disolay MGFP Filtered MGF Noise Est Noise (µV): 3.08 SNR-126 8/10/2013 11:15:14 🗢 68 📭 🗑 🗲 < < > > > 1 ₽ ¤ × 4 / 🚞 -8/10/2014 × Source Localisation [- 8/01/2014 Volume Conductor 💼 💌 1. Default 🗧 🔶 Page Start: Model 3 Spherical Shells < Source Localisation Relative radi (%) 100 🌻 93 🌻 85 Conductives (S/m) 0.33 0.0042 0.33 200 50 Mirrored (sagittal plane VEOG 8/10/2014 11:15:14 🔄 70 💽 🗮 🗮 << < > 496 Image Data >

To find out more about this product, contact your local Compumedics representative.





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Compumedics Limited, Australia (HQ):

30-40 Flockhart Sreet Abbotsford VIC 3067, Australia **Tel:** +61 3 8420 7300 Fax: +61 3 8420 7399 Free Call: 1800 651 751

Compumedics USA, Inc. 6605 West WT Harris Blvd, Suite F Charlotte, NC 28269 Toll Free: +1 877 717 3975 **Tel:** +1 704 749 3200 Fax: +1 704 749 3299

Compumedics Germany GmbH: Global HQ for Compumedics DWL Josef-Schüttler-Strasse 2 D-78224 Singen, Germany Tel: +49 7731 79 76 9-0 Fax: +49 7731 79 76 9-99



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