



## Tools in ZIMS Husbandry Index

Using the various Tools found in the ZIMS Husbandry module

#### Contact Species360 Support

The Tools in ZIMS are found under Start > Tools. Some of these Tools help you interpret and compare your data and some help save you time and provide consistency. Most of these look only at your data and records though some, such as Pedigree Explorer and Taxonomic Inconsistency will also look at global data.

Tools Covered	
Pedigree Explorer	Measurement Range Templates (including Target
Group Explorer	<u>Weight Range)</u>
<u>Manage Test Panels</u>	Creating a Measurement Range Template
Manage Templates	Adding Parameters
<u>Manage Note Template</u>	Environmental measurement Assignments
Taxonomic Inconsistency	(Enclosure, Life Support, Components)
<u>Data Export (to MedARKS)</u>	Animal Weight Assignments
Environmental Quality Graph	<u>Using a Measurement Range Template</u>
Animal Graphing Tool	Email Notification

## **Pedigree Explorer**

Viewing Parents, Descendants and Siblings for a specified animal in ZIMS.

The window below will open. You can search for an animal by the standard identifiers (GAN, Local ID, Preferred ID, other common identifiers). Below we have selected to view Parents, which is the default selection. The animal in focus appears on the far left.

Í	🚯 Pedigree Explorer	
	GAN: MIG12-28311450/Equus he × P	Legend: SIRE DAM OTHERS
	See: O Descendants O Parents Siblings See: O GAN O LocalID/Institution	🏐 See taxonomy inconsistency 🛛 🎝
	[005282/SD-WAP] - 1967       [185/CHICAGOLP] - 1955         [256/CHICAGOLP] - 1964       [185/CHICAGOLP] - 1955         [Founder: [104171/SD-WAP] - 1952 - Iran, Islamic Republic Of	

You can select to see the GAN or the Local ID for the animals displayed. Above we selected



Local ID. Notice the Legend at the top right of the page to color code who is who. You can also search for any Taxonomy Inconsistency (see <u>Taxonomic Inconsistency</u>) and export the pedigree to Excel.

On a different animal, we selected to view Siblings and to see the GAN instead of the Local ID.

Pedigree Explorer
GAN: QTV14-01241 ×
See: O Descendants O Parents O Siblings See: O GAN O LocalID/Institution
MIG12-29626629 - 2010
<u>19945617</u> - 2006 <u>LNQ16-00619</u> - 2016
<u>QTV14-01241</u> - 2014
<u>QTV12-00486</u> - 2012
MIG12-30013763 - 2006
- <u>QTV14-01241</u> - 2014

The Sire and Dam of the animal in focus are on the far left. The green arrows indicate full siblings as both Sire and Dam are the same. The yellow arrow is a half sibling as only the Sire is the same.

Below we selected to view Descendants of another animal.

	Pedigree Explorer
	GAN: MIG12-29518711 ×
-	See:      Descendants      Parents      Siblings      See:      GAN      LocalID/Institution
	[ <u>M16028/GREENVISC]</u> - 2005 - [ <u>I1133/BROWNSVIL]</u> - 2018

The animal in focus is on the far left. She produced two female offspring, one is at GREENVISC and one is at BROWNSVIL.

The report can also be run while looking at an individual's record under the Detail's tab. You will not need to search for the record using this approach.





۹ 😴	nin	na	ls					
Sear	ch	A	nimals By Identifie	r/GAN	P 😍 Filter By Instit	ution	1	🔎 🔚 Your animal lists 🖓 🛛 🤇
≫	5	Sta	tistics 27056551	/Equus hemionus	onager 🗵			
	6	De	tails More Details	Note & Observat	tion <sup>3</sup> Major Life Event My Transa	tions		
	2	5	🚏 🔄 Expand all	🗉 Collapse all 🚺	Actions -			
		Ba	isic Info		Ac Offspring from this Animal			
		4			Take Topy from this Animal			
					Print Spacimen Report			
			Individual	GAN: 27	See Animal in Pedigree Explorer			
			Local ID	[185/CHI	Celete This Animal	Γ		
			Subspecies	🛞 <u>Equ</u>	Search for Fragmented History	<u>ger</u>	IUCN: EN CITES: II S	tudbooks: EAZA, WAZA, AZA
			Birth Type	Undete	Manage Local IDs			
			Birth / Age	Undetermi	ined 😲			
		In	dividual Death Info					
		4	Ø 🖪 🔽					

# Back to Tools Covered

# Group Explorer

How to visually navigate the history of your Groups in ZIMS.

You can search for the Group by GAN or Local ID, or use the magnifying glass lookup to help you find it.







All the additions to the group are displayed on the left. Any removals from the group are displayed on the right. Census counts are shown in the middle, with the most recent count at the top. Merges and Split are hyperlinks into the Group record involved.

You can also navigate to Group Explorer from within a Group record from Details tab > Actions > See Animal in Group Explorer. You will not need to search for the Group using this approach.

			*
Statistics Search Results 🗷	H5V20-00	171/35/Pandinus imperator 🗵	
Details More Details No	te & Observat	tion 🎱 Major Life Event 🛛 My Transactions	
🍣 🏹   🗄 Expand all 🖹 Co	llapse all [ 🜔	Actions - 🔞 Medical Records 🌞 Care and	d Welfare 📶 Animal Grap
Basic Info		Take a Copy from this Animal	
	6	Print Specimen Report	
	0	See Animal in Pedigree Explorer	
Group of Animals	GAN: HS	See Animal in Group Explorer	
Local ID	[35/GREE	Celete This Animal	NO IMAGE
Preferred ID	35	Make a shortcut on desktop	AVAILABLE
Species	🛞 <u>Pand</u> 🤅	Add animal to Animals Available List	
	scorpion		
	CITE5: 11		
Total Count	0.0.8		





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## Manage Test Panels

Test Panels make test and result entries for a specified lab quicker and easier. Although these can be managed from the Husbandry module they are used in the Medical module. In Tests and Results in ZIMS for Medical, you can provide a list of known laboratory panels that are to be used for a specific sample type.

In addition to managing the panels from the Tools menu in the Husbandry module, Test Panels can be managed from the Test and Results data entry screen from the Manage Favorite Test Panel icon:

	Additional Characteri Degraded
Test Results	
Test Panel Please Select 💌 🛃 Insert below	
Notes/Comments Manage Favorit	te Test Panel

The Test Panel management screen will open. Any Species360 Global Test Panels will preload and have the globe icon. Any Test Panels that you have created will have the local house icon. The type of panel (clinical or pathology) will display to the right of the scope icon. You can create new Test Panels by selecting Add New Panel. Hovering over the note will display what tests are included.





Эм	anage	Test Panels					x
2	Filter b	y Laboratory 🚽 📥 Add New Panel Ň	Edit Selected Panel 💢 Delete S	Selected Panel			
		Laboratory	Panel Name	Sample type(s)			
•	۲	ANTECH DIAGNOST	Mammalian Exotic Compreh	Serum,Plasma		Ģ	<b>^</b>
•	۲	ANTECH DIAGNOST	Complete Equine Screen	Serum,Plasma		$\bigtriangledown$	
•	۲	ANTECH DIAGNOST	Antech Feline Total Health	Plasma		<b>P</b>	
G	۲	ANTECH DIAGNOST	Comprehensive Avian Profil	Whole Blood		$\bigtriangledown$	
$\Theta$	۲	ANTECH DIAGNOST	Reptile Comprehensive Che	Serum,Plasma		Ģ	
•	۲	ANTECH DIAGNOST	Avian Comprehensive Che	Serum, Plasma		> 🖓	
•	۲	ANTECH DIAGNOST	Basic Large Animal Screen	Plasma	Test Item: Total Protein (colorimetry.automated), Albumin (unspecified methodology.automated), Globulin	Q	
•	۲	ANTECH DIAGNOST	Fecal Culture	Feces	(reported), Aspartate Aminotransferase (automated), Phosphorus (colorimetry, automated), Glucose	<b>P</b>	
. 😡	۲	ANTECH DIAGNOST	Antech Mammal CBC	Whole Blood	(automated),Calcium (colorimetry.automated),Sodium	<b>P</b>	
•	۲	ANTECH DIAGNOST	Mammal Superchem/T4/HWE	Serum, Plasma	ratio (reported), Chloride (automated), Cholesterol	<b>P</b>	
$\Theta$	۲	ANTECH DIAGNOST	Urinalysis - Complete	Urine	(automated), creatine kinase (automated), one Acid (automated)	<b>P</b>	
•	۲	Animal Health Diagnostic Center	Cornell - Felid	Plasma		<b>P</b>	
•	۲	Animal Health Diagnostic Center	Cornell - Felid Testing	Serum,Plasma		<b>P</b>	
	۲	Animal Health Diagnostic Center	Enteric III	Feces		9	
	Ü	Animal Health Diagnostic Center	Enteric III- Post Mortem	Feces		<b>P</b>	
	Ø	Animal Health Diagnostic Center	Enteric II- Post Mortem	Feces		Ģ	
	۲	Animal Health Diagnostic Center	Fungal Serology Panel	Serum		<b>P</b>	
<b>_</b>	4.0	Animal Unallis Disconnelia Contas	Catalia II	F		_	-



1. The Panel Name must be unique within your facility.

2. The Panel Type is Clinical or Pathology

3.The Valid Sample Type is a multiple select dropdown that allows you to select more than one type.

4.You can select an External Laboratory or My Institution. The External Laboratory is sourced from the global and local institution list of Laboratories. If it cannot be found you will need to add it as a Local Institution > Category = Other and Type = Laboratory. What you



select here (External Laboratory or My Institution) must match the selection you make when you request a test or the Test Panel will not display in the list of available panels to select from.

5. The Analysis Equipment is a single select cascading drop down list.

6.Add Test is a type ahead lookup that will display possible matches as you type, or you can use the magnifying glass lookup to help you find the Test desired.

7. Arrange the tests in the order that you will want to record the data by using the Move Up and Move Down arrows above the list.

8. Add the "Test UOM" preference for each by double left clicking in the 'white space' between Test Item and Result Type column.

Once saved, the Panel will display in the Manage Test Panels list. To edit or delete any Local Test Panels use the buttons at the top of the list. You cannot edit or delete any Species360 Global Test Panels.

Эм	anage	Test Panels		
2	Filter b	y Laboratory 👘 🛉 Add New Pane   🖹	Edit Selected Panel 💢 Delete S	Selected Panel
		Laboratory	Panel Name	Sample type(s)
G	ĕ	Greenville Zoo	Catalyst Chem 17	Serum,Plasma
G	۲	Greenville Zoo	ProCyte CBC	Whole Blood
$\Theta$	۲	Greenville Zoo	VS2 Avian/Exotic Chemistry	Serum,Plasma,Whole Blood
•	۲	Greenville Zoo	In-house Avian/Reptile CBC	Whole Blood
$\odot$	٢	Greenville Zoo	Urinalysis - Sediment	Urine
$\odot$	٢	Greenville Zoo	Fecal Examination	Feces
$\Theta$	۲	Greenville Zoo	Urinalysis - Dipstick	Urine
$\odot$	۲	Greenville Zoo	In-house Mammal CBC	Whole Blood
1	9	IDEXX Laboratories USA	CRD/PCR - Canine Respirat	Mucus, Other fluid, secretion or exudate
	٢	IDEXX Laboratories USA	Avian/Exotic CBC1	Whole Blood
	(2)	IDEXX Laboratories USA	Reptilian panel	Serum,Plasma

To use the Test Panel, select the appropriate Sample and request a test on it. For more details on Samples see <u>Samples</u>. For more details on Tests and Results see <u>Tests and Results</u>. Complete the mandatory and optional fields as desired in the Test Request Details. Select the desired Test Panel from the dropdown. Then select Insert Below.





Add New Clinical Diagnosis     Test Request Details   Date Requested *   Mar 28, 2014     Adrienne Miller     External Laboratory   Mar 28, 2014     Analysis By   Adrienne Miller   Mar 28, 2014     Mar 28, 2014     Mar 28, 2014     Date Requested By *     Adrienne Miller     Analysis Start Date & Time   Adrienne Miller     Mar 28, 2014     Do:00	Sample Info Sample Type Whole Blood Sample Collection Date & Time Mar 01, 2014 00:00 Additives/Preservatives Anatomical Source/Tissue Sample Quality
▼ Insufficient sample	Color Intensity Clarity Consistency Additional Characteristics clots present Degraded No
Test Results       Test Panel       • Select One       1. zebra blood	

The tests you have recorded for your Panel will display in the order that you arranged them in the Test Panel you created.

Add New Clinical Diagnosis										
Test Request Details Date Requested * Mar 28, 2014  External Laboratory  Mar 28, 2014  Adrienne Miler  Adrienne Miler  Mar 28, 2014	Pate & Time	Sample Info Sample Type Sample Collection Da Additives/Preservati Anatomical Source/1	Whole Blood te & Time Mar 01, 2014 00 ives iissue	:00						
Analysis Equipment		Sample Quality Color Color Intensity Clarity Consistency Additional Character Degraded	<b>istics</b> clots present No	N	Edit					
Test Results Test Panel zebra blood	elow 🛛 🔅					Add	New Test Se	elect Test Ite	m	2 8
Test	Primary	Result	Secondary Result	Low RI	High RI	Evaluation	Excld. from RI	Clinical Finding	Reviewed	Remove
нст	% (c)	~	N/A	~	~	~				×
Natt-Herrick WBC	*10^3 ce	lls/µL ▼	N/A	~	~	~				×
Lymphocytes	*10^9 ce	lls/L 👻	N/A	~	~	~				×
Basophils	*10^9 ce	lls/L 👻	N/A	~	~	~				×
p02	mmHg	~	N/A	~	~	~				×
L										

Now record the test results. If the default Unit of Measure is not what you desire it to be you can use the dropdown selections to select the appropriate unit.



est Panel	zebra blood 💉 🔮	🛯 Insert below 🛛 🔅				
	Test		Primary Result			
	НСТ		% (c)	~		
	Natt-Herrick WBC		*10^3 cells/µL	*		
	Lymphocytes	2.64	*10^9 cells/L Select One *10^9 cells/L *10^9 cells per litre			
	Basophils	76				
	pO2	86.5				
Notes/Co	mments		*10^3 cells/µL *10^3 cells per micro	olitre		

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## Manage Templates

The Manage Templates Tool allows you to manage several types of Templates in one place. Click the link for the desired Template to view the associated Help document. For these Tools you will need Role access to "Mixed Records Templates" in the Local Reports & Tools section.

- Aquarist Daily Log <u>Aquarist Daily Log</u>
- Animal Measurements Animal Measurements
- Husbandry Log Template Husbandry Log Template
- Enclosure/Life Support/Component Measurements Measurement Template

# Comparison of functionalities available in the Environmental Measurement, Aquarist Daily and Husbandry Log Template:

H20 Quality Log	Aquarist Daily Log	Husbandry Log
Water Quality measurements only Tab through to next box for fast entry (skips UOM)	Enclosure, Water Quality, Life Support, Component Data (enclosure feed log, notes, maintenance, measurements)	Animal, Enclosure, Life Support and Component Data (feed log, notes, maintenance, measurements, training, enrichment, weights, etc)
UOM are preset with default	UOM are preset with default	UOM: option to lock setting
UOM are allowed to change when entering data.	UOM are allowed to change when entering data.	UOM: locked unable to change UOM: unlocked: able to change
Sort in specific order	Sort in specific order	Sort in specific order





Apply to all Sub-enclosures	Apply to all Sub-enclosures	Apply to all sub-enclosures: only for Enclosure Water Change Apply to all occupants: only for feed log and enclosure notes/observations
Additional info-Notes: Click to open text box Save or Save and Repeat	Additional info-Notes: Click to open text box Save or Save and Repeat	On/Off setting for specific data (keywords, details, etc) Save Sheet or Save All OR Save Draft Add Rows for backlogging needs
		Shareable
Shareable	Shareable	View provious data entries (last 5 entries)
View data saved in within enclosure record	View data saved within enclosure/life support or component record	within template Add checklist items
No checklist items	No checklist items	Sheets /Tobs
One page	One page	Tab function (opens note box)
Tab function-skips UOM	Tab function-skips UOM	

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## Manage Note Template

How to create and update the Note Templates Used in ZIMS

In addition to getting to this Template from the Start menu, you can also get to this screen by selecting the wheel icon from a Note or Observation add or edit screen.

	Sche	duled											
Ob	serva	ation											
				- 🍦	Note	Temp	lates			~	$\otimes$	Ŷ	
1	в	I	U	ABC	Α	•	ab/	•	2	Ξ	ţ=		
	වෙ	È	ABC	•									

To add a New Note Template select Add New Template at the top of the screen.





🥶 M	anage Note	e Template			from buckets	
*	🔶 Add ne	w template	🔊 Edit selected template	🗶 Delete sele	cted template	
ar h		Name		Editable	Shared	Detail
8	EN	Water Cha	ange	×	<b>V</b>	Cleaned substrate and window
MY	AMN	Quarantin	e exit approved	×	<b>v</b>	This animal has been approved for quarantine exit. Three negative $\ensuremath{\mathrm{f}}\ldots$
		New Temp	plate	×	×	Give 1/4 tablet of Baytril, once a day (sid) for 6 days. Start treatment
my	AMN	Birth Note	•	×	<b>v</b>	Time of day: Location in Enclosure: Weather Conditions: Condition $\ldots$
8	PN	AZA Rhin	oceros TAG Necropsy Tis	×	<b>v</b>	NECROPSY TISSUE CHECKLIST Basic Checklist of Tissues to Col

We are creating a Note Template to capture information regarding the death of an animal found dead in an enclosure.



1) The Name must be unique, name it so it is easy to find when needed. The Name can be edited but you may want to develop a naming convention

2) Select the Template Type (example Animal Management Note, Clinical Note, Enclosure Note) as the Template will be available to select only from within that Note type.

3) Check if you want to share the Template or have others able to edit it.

4) Record the text you want in the Template and Save.

Your Template will now appear in the list.

The Template above was created to help the recorder remember to capture all the information needed for this type of death. Another type of Template can already contain the verbiage desired so no additional data needs to be entered as illustrated by the Quarantine Exit Template below:





	Shared W Editable W
uarantine exit approved	Animal Management Note Templi
emplate Text *	
B I ∐ AB€	· 💇 🗸 🗄 🗄 🥺 🍏 🦃 🕶 🗐
This animal has been app good health with good ap	or quarantine exit. Three negative fecals have been recorded. The animal appears to be in Exhibit or holding space is available and approved.

Once your template is in the list, if you highlight it, you can Edit or Delete it. If you Edit it, there will be no changes to previously entered data using the Template. If you delete it, all information previously recorded using it will remain as recorded.

-	Mi	anage Note	Template	2		from buckets	
	1	🔶 Add nev	/ template	🔊 Edit selected template	X Delete selec	ted template	
r			Name		Editable	Silareu	Detail
1		EN	Water C	hange	×	8	Cleaned substrate and window
6	MY	AMN	Quaranti	ine exit approved	×	8	This animal has been approved for qu
			New Ten	nplate	×	×	Give 1/4 tablet of Baytril, once a day (
6	мY	AMN	Death in	Enclosure Note	×	<b>V</b>	Time of day found: Found by: Condition
0	мY	AMN	Birth Not	le	×	<b>v</b>	Time of day: Location in Enclosure: W
1		PN	AZA Rhi	noceros TAG Necropsy Tis	×	<b>v</b>	NECROPSY TISSUE CHECKLIST Ba

Your Template will now display in the drop down list to select when you are in the appropriate type of Note, in our case an Animal Management Note.

Note Date *			
Keywords       Image: Constraint of the second	Note Date *		
Note Type * Please Select  Note Sub Type Please Select  Note Note B	Keywords 🔇 🔇 🔇		
Note Sub Type Please Select  Note  Note Note	Note Type *	Please Select	
Note B I U ABC Q (AMNT) Birth Note Q (AMNT) Death in Enclosure Note Q (AMNT) Quarantine exit approved	Note Sub Type	Please Select 👻	
B Z U ARG Q (AMNT) Birth Note Q (AMNT) Death in Enclosure Note Q (AMNT) Quarantine exit approved	Note		
B Z U ARE CO (AMNT) Birth Note		V 🔍 V 🖓 🖌	$\odot$
	B I U #	ARC 😡 (AMNT) Birth Note	
(AMNT) Quarantine exit approved		(AMNT) Death in Enclosure Note	
	Se Se V	(AMNT) Quarantine exit approved	

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## **Taxonomic Inconsistency**

This Tool allows you to check for any taxonomic inconsistencies in the pedigree of an animal.



In addition to getting to this Tool via Start > Tools, you can click the See Taxonomy Inconsistency button via any <u>pedigree explorer</u> screen.



If getting to the Tool from the Start menu you will need to enter the desired animal. If getting to it from Pedigree Explorer, the animal will prefill.

Taxonomic Inconsistency							
Animal GAN: 2783353	Animal GAN: 27833539 × 2						
Animal In Focus	27833539						
Taxonomic Name	<u>Giraffa camelopardalis</u>						
Animal ID	Generations Removed	Sex	Taxonomic Name				
6891633	1	Female	Giraffa camelopardalis reticulata				
<u>5461940</u>	1	Male	Giraffa camelopardalis rothschildi				
5461939	2	Male	Giraffa camelopardalis rothschildi				
26045934	2	Female	Giraffa camelopardalis reticulata				
7288281	2	Female	Giraffa camelopardalis rothschildi				
26046036	2	Male	Giraffa camelopardalis reticulata				
26046030	3	Male	Giraffa camelopardalis reticulata				
25116755	3	Female	Giraffa camelopardalis reticulata				
MIG12-28615520	3	Male	Giraffa camelopardalis reticulata				
26044765	3	Female	Giraffa camelopardalis reticulata				
MIG12-24812446	4	Male	Giraffa camelopardalis				
MIG12-29398652	4	Female	Giraffa camelopardalis reticulata				

In the record above you can see that two different subspecies have been recorded for the ancestors. The animal in focus is correctly recorded at the species level due to these inconsistencies.

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# Measurement Range Template (including Target Weight Range Template)

The Measurement Range Template allows you to set desired measurement ranges (minimums and maximums) for your Enclosures, Life Supports and Components. It also provides a means for notification should a reading be outside these ranges.





## <u>Creating a Measurement Range Template</u> <u>Adding Parameters</u> <u>Enclosure/Life Support/Component Assignments</u> <u>Animal Weight Assignments</u> <u>Using a Measurement Range Template</u> <u>Email Notifications</u>

#### Creating a Measurement Range Template

Open the Measurement Range Template from the tools menu (Start  $\rightarrow$  Tools  $\rightarrow$  Measurement Range Template).

■ Heasurement Range Template         Search Templates         C         Heasurement Template         C         Heasurement Template         Measurement Template         No measurement range tem         Plaase Select         Plaase Select         Start Date         Start Date         End Date	Select Add New Measurement Template.
Measurement Range Template Institutions Incomplete Search Templates Add New Measurement Te Measurement List Add New Measurement Range Template Reset Save Basic Information Template Name * Animal Weights Select One 1. Enclosure Environmental Measures 2. Life Support Environmental Measures 3. Component Environmental Measures 5. Life Support Water Quality Measures 6. Component Water Quality Measures 7. Animal Weights	<ol> <li>Template Name - must be unique within your Measurement Range Templates.</li> <li>Measurement Category - select Animal Weight (target weight range), Enclosure, Life Support or Component and Environmental (terrestrial) Measures or Water Quality (aquatic) Measures.</li> <li>What you select here is very important as it will drive the Measurements and Assignments you can make.</li> </ol>

## **Adding Parameters**

The range templates will auto-populate with each measurement type available for that measurement category.

Double click in the 'Default UOM' column for each measurement type to edit the default unit of measure (1), minimum value parameter (2) and maximum value parameter (3). Click save (4) to save that measurement type settings.

Repeat for all the measurement types you want to set, if you do not want to set parameters for certain fields then leave them blank.

Once all desired parameters have been set, toggle from "Range Values" to "Assignments (5) to start assigning your enclosures/life supports/components.





#### Enclosure/life support/Component example screen:

Search Templates	Search Templates
Measurement List      Add New Measurement Range Template	Neasurement List  Add New Measurement Range Template
🕫 Reset 🔒 Save	🖇 Reset 🔒 Save
Bask: formation     Template Name     Test:     Tet	Sketet je Sketet Sketet je Skete Sketet je Skete Sket
Humidity parameters.	Humidity
Humaity Maximum in 24	Humidity Minimum in 24 h
Humony winimum in 24 h	Sound level (maximum)
Sound level (mkkminim)	Sound level (minimum)
Save	entrony Litter Search

## Animal weight example screen:

Heasurement Range Template - Last 30 days (0)     (933)	Pending Transactions - by my institution (953)     Pending Transactions - by one     (933)
Search Templates	Search Templates
Measurement List 🗷 Add New Measurement Range Template 🗵	r 🛞 Measurement List 🗵 Add New Measurement Range Template 🗵
🖇 Reset 🛛 🚽 Save	n 🔗 Reset 🛃 Save
Sase: Commation Template Name  Resurrement Category * Animal Weights  Resurrements  Resurrement  Measurement Type  Default UOM  Egoring mass weight  Live weight  Double click in the space to edit each measurrement type, and add parameters.	Basic formation Template Name * Template Name * Template Name * Template Name * Template Name * Template Name * Template Name * Range Values O Assignments 5 Template Name * Template N
🗱 Reset 🔛 Save	SResel 🔓 Save

1) Default UOM - select your desired Unit of Measure from the drop down list (can be edited later)

- 2) Min record the minimum measurement desired
- 3) Max record the maximum measurement desired

4) Save - each grid must be Saved individually. Continue down the list until you have entered all your desired ranges.

5) Assignments toggle – takes you to the assignments screen to assign which enclosures/life supports/components should have your parameters assigned.

#### Environmental measurement Assignments (Enclosure, Life Support, Components)

When first creating your range template, there will be no assignments. To start, click the "Add New" button (1) to add your first assignment (in the screenshot below, add new has already been ticked).

The assignments you can choose will be limited by the type of Measurement Category you have chosen. In the screenshot below, we have chosen 'Enclosure Environmental Category', therefore we can only assign 'Enclosures' (2). Start typing in the assignment box to select



your desired enclosure, and click to select, then click 'Save' (3). Each assignment needs to be added and saved individually, to add more simply re-click 'Add new' (1).

Measurement Range Template Animal Statistics 3	Reasurement Range Template     Last 30 days (0)     (933)
Search Templates	1 P Add New Measurement Template
Measurement List X     Add New Measurement Range Template X	I 🛞 Measurement List 🗵 Add New Measurement Range Template 🗵
🕸 Reset 🚽 Save	n 🕸 Reset 🚽 Save 🗛
Basic Information	Basic Information
] Template Name *	Template Name *
Heasurement Category *	Measurement Category
Enclosure Environmental Measures	Enclosure Environmental Measures
C Range Values (a) Assignments	n O Range Values   Assignments
Asternts	Assignments
Add new 💥 Delete selected	Add new 💥 Delete selected
Assignment	Assignment
Enclosure 2	TBH02
Save Cancel	
3	
	9
🖉 🖉 Reset 🛛 🚽 Save	😵 Reset 📓 Save

 Add New - select this to bring up the grid to record your enclosures, life supports or components
 Assignment - select the desired Enclosures, Life Supports or Components. IMPORTANT! You will be able to assign ONLY from the category that you selected. For example, if you selected a category of Life Support Water Quality Measures ONLY aquatic life supports will be available. If you selected a category of Enclosure Environmental Measures ONLY terrestrial enclosures will be available.
 Save - save each assignment individually

Check all your parameters and assignments are correct, then click Save (4) to save the whole template.

To edit or delete the Template, double left click on the name in the list.

<b>1</b>	leasurement Range Templat	e 🔺				×		
Sea	Search Templates							
»	Measurement List 🗷 Sear	ch Results 🗵 🛛 Penguin Pool	1 Detail 🗷 Search Results 🗷	Search Results 🗵				
	Name	Modified Date	Group Name	Measurement Count	Entity Count	С		
	Hoofstock Yards	05/06/2020 09:16	Enclosure Environmental	0	0	A		
	Penguin Pool 1	05/06/2020 09:16	Enclosure Water Quality	2	1	A		

You can select to edit as desired and Save, or Delete the Template. No data entered that referenced the desired ranges before the Template was edited or deleted will be changed.

	Reasurement Range Templa	te			
Se	earch Templates	2	Add New	Measurement Te	mplat
Σ	Measurement List 🗷 Sea	rch Results 🗵	Penguin Po	ol 1 Detail 🗵 🛛	Searc
	🚽 Save 💢 Delete				
	Basic Information Template Name *				
	Hoofstock Yards				
	Measurement Category	<b>?</b>			



## Animal Weight Assignments

When first creating your range template, there will be no assignments. To start, click the "Add New" button (1) to add your first assignment (in the screenshot below, add new has already been ticked).

In the Animal Weight measurement range template, the assignments are individual animals. Start typing in the assignment box (2) to select your desired animal, or use the magnifier to choose multiple animals.

Choose the 'Start Date' (3) – this is the date from when the weight range template should be applied. Choose the 'End Date' (4) if applicable. If you want to have this template ongoing then leave this 'End Date' field blank – you can come back and edit it later if you want it to end.

Add any applicable notes (5) then click 'Save' (6) to save this assignment. To add another animal simply re-click 'Add new' (1) and repeat the process.

Heasurement Range Template Pending Transactions - By My Institution (955)     Pending Transactions - By Othe     (933)	Pending Transactions - By My Institution (955)     Pending Transactions - By Othe     Last 30 days (0)     (933)
Search Templates	Search Templates
Measurement List      Add New Measurement Range Template	Measurement List      Add New Measurement Range Template
🕸 Reset 🚽 Save	Reset 🚽 Save 🔽
Basis Information Template Hame * Test	Basic Information Tenghiet Name Test
Measurement Category * Animal Weights	Animal Weights
O Range Values	O Range Values
Assignments	Assignments
Add new 💥 Delete selected 3 4 5	Add new 💥 Delete selected
Assignment Start Date End Date Note	Assignment Start Date End Date Note
25/10/2021	1.1.1./Gonila gorilla gorilla/Western lowland gorilla/M 04/10/2021
6 Save Cancel	summ // Corilla gontila Vivlestein kovland gontil 04/10/2021
Allowed Discon	Paret Cue
Shuczer N Dave	Converting on the second

1) Add new button – Add a new assignment

2) Assignments – Type ahead to add select a known animal ID or use the 'search glass' for an advanced search

3) Define the Start Date (required)

4) Define the End date (optional) (*Note, adding a second range for the same animal will automatically add an End Date to the previously entered range*)

5) Note - Add any applicable notes

6) Save button for assignment

7) Save button for whole template

Check all your parameters and assignments are correct, then click Save (7) to save the whole template.

Your Template will display in the list.

Note, you can have more than one Weight Template range of the same animal to note expected changes through life stages.



<b>—</b> M	easurement Range Template		* * 51 1			<b>X</b>
Sea	rch Templates	P 🔶 🔶 Add New Me	easurement Template			
»	Search Results					
	Name	Modified Date	Group Name	Measurement Count	Entity Count	Creat
	13905	17/Feb/2021 08:47	Animal Weights	1	1	Speci
	anothet temp	08/Feb/2021 09:07	Animal Weights	1	1	Speci
	grown up	09/Feb/2021 09:37	Animal Weights	1	1	Speci
	juvenile	09/Feb/2021 09:36	Animal Weights	1	1	Speci
	King Penguin	16/Feb/2021 08:55	Animal Weights	1	1	Speci
	King Penguin egg	16/Feb/2021 08:59	Animal Weights	1	1	Speci

#### To edit or delete the Template, double left click on the name in the list.

📑 Me	asurement Range Templ	ate 🔺						
Sear	Search Templates							
»	Measurement List 🕱 Se	earch Results 🗵 🛛 Penguin Pool 1	Detail 🗵 Search Results 🗵	Search Results 🛞				
	Name	Modified Date	Group Name	Measurement Count	Entity Count	0		
	Hoofstock Yards	05/06/2020 09:16	Enclosure Environmental	0	0	Å		
	Penguin Pool 1	05/06/2020 09:16	Enclosure Water Quality	2	1	A		

You can select to edit as desired and Save, or Delete the Template. No data entered that referenced the desired ranges before the Template was edited or deleted will be changed.

		Weasurement Kange Template
	Se	earch Templates
	×	Measurement List 🗷 Search Results 🗷 Penguin Pool 1 Detail 🗷 Search
		🛃 Save 💥 Delete
	1	Basic Information Template Name *
		Hoofstock Yards
		Measurement Category 🔇
l		

#### Using a Measurement Range Template

Because you have created a Measurement Range Template, when you record a measurement on an assignment that is outside the desired range you will receive a message when you select to Save the measurement. You can save it if the measurement is correct, or go back and correct if it is incorrect.





# For Animal Weights:

We	ights	_						
⊿	8 🖪 🤱	Target	Live weight:50-55				Actions -	Prev
		1					Add New	
		Date -		Measureme		2 ue l	N 10w/3	Selected
	$\odot$	17/Feb/	2021	Live weight		0 49 gram	X Delete Se	lected
	$\odot$	30/May	/2020	Live weight		50 gram	Ч <b>—</b> —	
	$\odot$	02/May	Add New Weigh	t				
	$\odot$	20/Feb	Date *		17/Feb/2021	Es Es	nate	
	6	22/lun	Measurement 1	lime				
			Measured By		Please Select		*	
			Measurement 1	Type *	Live weight			~
			Measurement *	· F	49	aram		~
			Ectimate		4	grum		
			Exclude Warr	ning!				×
			Exclude	This mea	asurement is	outside the tard	et range.	
			Quality d	It should	be a value b	etween 50 and	55.	
			Measuna	Go at	and and save	Let me de bee	k and correct	
			Details	Go al	ieau and save	Let me go bac	k and correct	

- 1) When a range is in effect for the animal, you will see the active range displayed at the top of the weight grid
- 2) When values are entered in the active date range and are out of range, they will be flagged in red in the weight grid
- 3) When adding new weights in the active range, if values are out of range you will be notified of the expected range.

#### For the Measurement grids:

ZIMS will display the measurement that is outside the desired range in red. If you hover the mouse over the "!" the desired range will display.





# **Email Notification**

For enclosures and life supports, often the person recording the measurement is not the one who needs to be notified if a reading is outside the desired range. You can send an Email to the Staff member who should be notified. Once a measurement has been recorded on an entity the "Set Email Notification" button is activated. Select this to set up your notifications.

Wa ⊿	ater Quality Measureme	ents	Se	et Email Notification	ew Measuremen	t Graph
	Date/Time	Measureme	nt	Measurement Value	Note	Measured By
	Mar 10, 2019 -	pН		🕕 9 pH		-
	Mar 05, 2019 -	pН		6.5 pH		-
	Prev Page 1	of 1 Next	Page S	ize 20 Change		

Set Email Notification 🖑		×
When measurement value is out of parameter range,	please contact:	
	Adelaide Miller 🗱 🙎	
Adelaide Miller		
Daily summary per enclosure	Show Measurement Range Template	
Instant Alert per Measurement		
Entering historical data ?		
O not send alert for measurement values older	than 7 days 👻	
<ul> <li>Always send alerts</li> </ul>		
Disclaimer: Species360 provides this email alert so support our members to the best of our ability. It intended to replace a member's standard operatin procedures for maintaining environmental health.	g SPECIES Global information serving conservation.	
	🚽 Save 🚫 Car	icel

1)Select who you want the Email to go to. This is sourced from your Staff list and you can assign multiple people. NOTE: In order for the name to appear on this list the Staff member



must have access to Basic Detail and Measurements in the Enclosure and/or Life Support & Component modules.

2)To remove their name from the Email use the red "X".

3)They can receive a daily summary by entity or they can receive instant Emails. Daily Summaries are sent at noon in your time zone. This allows measurements to be taken in the morning and any corrections can be made in the afternoon.

4)You can select if you want an Email sent if the measurement is recorded on a previous date.

5)You can go directly into the Measurement Range Template from here. If there was no Template on the enclosure this button would say "Add Measurement Template". 6)This functionality is not meant to replace Best Practices for the operation of your institution.

Toda	У	
	S Keto Diet 🗚	Here's the Diet You've Been Waiting For Diet Expert Tells All: Women ov
	• Support	penguin pool - Measurement Out of Range Alert Dear Adelaide Miller,
	<ul> <li>Support</li> </ul>	penguin pool - Measurement Out of Range Alert Dear Adelaide Miller,
	<ul> <li>Support</li> </ul>	🖈 ZIMS email address confirmation Hello Adelaide Miller, Adrienne Miller h
	<ul> <li>Support</li> </ul>	🖈 ZIMS email address confirmation Hello Adelaide Miller, Your email addre

The Email will come from Support and the title will include the entity and Measurement Out of Range Alert for Instant Notifications. For Daily Summaries it will just say Measurement Out of Range Alert.



Above is an instant notification Email. The text will include the measurement, the date and what your desired parameters were.



upport@spe	cies 360.org ping@yahoo.com				Jai	n 25 at 12:00
ear Adrienn	e Miller,					
he following	measurements were	out of parameter rar	iges set in your measu	irement range template:		
Entity	Measurement	Measurement Value	Measurement Date	Parameter Range	Staff Responsible	Entered Date
Sea Lion Pool	Water temperature	95 °F	Jan 24, 2017	45.000000 - 80.000000 ° F	Adrienne Miller	Jan 24, 2017 1:29PM
Mammals	Temperature	95 °F	Jan 24, 2017	50 - 90 °F	Adrienne Miller	Jan 24, 2017 1:31PM
Mammals	Humidity	40 % *	Jan 24, 2017	50 - 80 %	Adrienne Miller	Jan 24, 2017 1:30PM
Sea Lion Pool	рН	11 рН	Jan 24, 2017 8:00AM	6.000000 - 9.000000 pH	Adrienne Miller	Jan 24, 2017 1:23PM

Above is a Daily Summary Email.

# Back to Tools Covered

# Data Export (to MedARKS)

As of January 2020, all MedARKS functionality (and more!) is available in ZIMS. Some institutions are still using this Tool to export their ZIMS data to MedARKS for Sample Storage, but the best practice recommendation is to stop using MedARKS and wait for migration of your historical Sample Storage data. While you can still request a MedARKS export, we will no longer be fixing any bugs, export failures, etc. If you need help running this Tool please contact support@species360.org.

# Back to Tools Covered

# **Environmental Quality Graph**

The Help document for this Tool is quite lengthy as there are many options. It is available as a standalone document here <u>Environmental Quality Graph</u>

For a PowerPoint with examples for using this Tool see Environmental Quality Graph

Back to Tools Covered

# **Animal Graphing Tool**

The Animal Graphing Tool allows you to view trends for multiple kinds of data for multiple animals. To have access to this Tool you will need to have access to Animal Graphing Tool in the Animal module. Only the Local Admin, User and Vet Species360 Template Roles have this access. You will need to add it for any custom Roles you may have created.





Details Role Management 🗷						
🚽 Save						
Role Name Curator - [GREENVISC]						
Modules 🔇 Animal	¥	Turn on modu				
Functionality	3					
Accession	Search/View	🖌 Add				
Acq./Disp. Transaction	Search/View	🖌 Add				
Alert	Search/View	🖌 Add				
Animal Charts	Search/View	Add				
Animal Graphing Tool	Search/View	Add				
Animal Lists	Search/View	🗌 Add				
Animal/Basic Detail	😲 🕑 Search/View	Add				

When graphing multiple animals, you have the option to create the graph by animal or by record type. What you select will affect how the graphs are produced. For example:

- If you select to graph 3 animal's weights and feed logs by **Animal**:
  - $\circ$   $\,$  ZIMS produces 3 graphs, each with the weight and feed log of one animal
- If you select to graph 3 animal's weight and feed log by **Measurement Type:** 
  - ZIMS produces 2 graphs, one for the weights of all 3 animals and one for the feed logs of all three animals

Measurement Types that can be graphed are Feed Logs, Weights, Lengths, Care and Welfare entries and Enclosure Environmental/Water Quality Measurements. For additional help with these topics see:

- Add Feed Logs
- Add Weights
- Add Lengths
- <u>Care and Welfare</u>
- <u>To compare two sets of weights by age use this Excel tutorial</u>

In addition to being found under the Start menu, the Animal Graphing Tool is found at the top of the animal record when the Details tab is selected.

~	Alliniais	
Sei	arch Animals	By Identifier/GAN
»	Statistics	MIG12-28975569/Tursiops truncatus 🛞
	Details	More Details Note & Observation 2 Major Life Event My Transactions
1	2 7 5	Expand all 🔚 Collapse all 🜔 Actions - 🌍 Medical Records 🍁 Care and Welfare 且 Animal Graphing Tool
	Basic Info	J Identifiers

Below we are selecting a single measurement for multiple animals.







1) Select the desired Date Range. The default is for the last 30 days.

2) Select your animals. You can use the magnifying glass to open up an animal search (details below).

- 3) Select your Measurement Type.
  - The dropdown menu allows you to select multiple measurement types to plot on your graph(s).
  - Measurement types are grouped, and allow for single selection or whole group selection.
- 4) Select the identifiers that you want to show on the graph. Preferred ID, Scientific Name and Common Name will show by default but you can amend this through the dropdown list.
- 5) Select Show Graph.

If you are unsure of which animals you are looking for, you can use the Animal(s) search by clicking on the magnifying glass. Simply choose your required search fields and click search to bring up the results.

Animal Graghing fool     Animal Graghing fool     From Date     To Date     To Date     To Date     To Comp     To Date     To Comp      To Comp     To Comp     To Comp      To Comp      To Comp      To Comp      To Comp      To Comp      To Comp      To Comp      To Comp      To Comp      To Comp      To Comp      To Comp      To Comp      To Comp      To Comp      To Comp      To Comp      To Comp     To Comp     To Comp      To Comp     To Comp      To Comp     To Comp      To Comp      To Comp     To Comp     To Comp      To Comp      To Comp      To Comp      To Comp     To Comp  <						
Animal Graybung Tod   Form Date   To Date   To Date   To Date   To Commony   Include Taxon Below   Animal (s)*   Include Taxon Below   Animal (s)*   Please Select   Include Sub-Enclosures   Search local animals   Pease Select   Include Sub-Enclosures   Search local animals   Please Select   Please Select Please Select Please Select Please Select Include Sub-Enclosures Search enclosure		Local ID		My L	Local Animals	
Image: Include transmission   Image: Include tran		GAN		All Animals		
From Dale   To Dale   Date Cargo   Please Select   To Dale   To Dale   To Dale   Date Cargo   Thire		Birth Date Range		Current Animals	Owned and	d On Site
Animal Grayhang Tod   Favorite Fitten   Places Select     18/10/2021     18/11/2021     Please Select     Current Enclosures        Search include Sub-Enclosures        Please Select     Include Sub-Enclosures        Please Select        Include Sub-Enclosures        Include Sub-Enclosures		From Date	<b>m</b>	On Site, but	t not Owned	
Animal Grapheng Tool   Fewordte Fitters   Please Select   Date Range*   18/10/2021   18/11/2021   18/11/2021   18/11/2021   Search local annuals   Please Select   > chlowd Graph     Please Select           Please Select        Please Select           Please Select           Please Select           Please Select              Please Select		To Date	m	Current Incomplet	e Accessions	
Animal Graphug Tool     Fearcht Fatters     Please Select     Animal Jobal Satus     Please Select		Taxonomy 🔽 Include Taxo	n Below	Animal List		
Faronte Filters Plasse Select     Date Range*     18/10/2021     18/10/2021     18/10/2021     18/10/2021     18/10/2021     18/10/2021     18/10/2021     18/10/2021     18/10/2021     18/10/2021     18/10/2021     Plasse Select     Plasse Select     Search local animals     Plasse Select	Animal Graphing Tool	Search taxonomy Q		Please Select	~	
Date Range*     Please Select        18/10/2021     18/11/2021     Please Select        Animal(s)*     Please Select        Search local animals     Please Select        > Show Graph     Please Select        Please Select	Favorite Filters Please Select 🔹 💿 🗈 🖉 🕄	Animal Type				
18/10/2021       Image: Search local animals       18/11/2021         Animal(s)*       Please Select       -         Search local animals       Please Select       -         > Show Craph       Include Sub-Enclosures       Search enclosures       Search enclosures         Search enclosure       Search enclosures	Date Range*	Please Select				
Animal(s)* Search local animals Please Select Search enclosures Search enclosu	18/10/2021	Animal Global Status Please Select				
Search local animals Q Please Set Stow Graph Please Select  Search enclosures Q Include Sub-Enclosures Sex Type Please Select  Search IF	Animal(s)	e Current Enclosure				
Count in Neuro Minimazio  Count in Neuro  Include Sub-Enclosures  Sex Type  Please Select  Security  Security  Filter  Security  Filter  Security  Filter  Filter Filter  Filter Filter Filter  Filter  Filter  Filter  Filter  Filter  Filter  Filter  Filter  Filter  Filter  Filter  Filter  Filter  Filter  Filter  Filter Filter Filter  Filter  Filter  Filter Filter  Filter  Filter Filter  Filter Filter  Filter Filter  Filter Filter Filter Filter  Filter Filter Filter	Search local animals	Search enclosures Q				
► Show Graph Sex Type Please Select ▼ Search F		Include Sub-Enclosures				
Please select	Show Graph	Sex Type				
Search		Please Select 👻				
						Search Reset
L Animal D Preferred Animal Scientific Common Date of Current Enclosures Birth Enclosures		Animal Preferred Animal So ID ID Type Na	ientific me	Common Name Se	Date of ex Birth	Current Enclosures
Page 1 of 1 Page Stor 25 Change 1-1 of 1 ✔Scheel ¥		Page 1 of 1 Page Size 25 Change 1-1 of 1				✓Select XCancel

Clicking Search will bring up a list of animals at your institution that fulfil those search requirements. Choose the animals you want to select (1) then click the Select button (2) to



add them to the Animal(s) box in your graph. If your search results were not narrow enough, click on the drop down button (3) to bring the search menu back down and add more search critera.

ZRS2	1-14267							
	R	12345/LONDON RP]	Individual	Equus quagga quagga	Quagga (extinct 1872)	Female	1899-12-08	LONDON RP
ZRS2	1-14268 [' F	12346/LONDON RP]	Individual	Equus quagga quagga	Quagga (extinct 1872)	Female	1899-12-08	LONDON RP

When graphing weights, the Animal Graphing Tool graphs both egg and live weights. In the graph below you can see the egg weights in the red box. If you hover over any of these data points you can see the date recorded and weight, but no age as the animal has not hatched. The live weights are represented in the green box, when you hover over any of the live weights you will see the date recorded, weight and age of the animal.



Below is a graph for Animal Weights for 4 bottlenose dolphins from 1 January to 1 April 2019.

![](_page_25_Picture_0.jpeg)

![](_page_25_Figure_3.jpeg)

- 1) You can adjust the Y axis as needed.
- 2) You can reset the Y axis using the Reset button.
- 3) The color code for the animals displays at the bottom.
- 4) Hovering over the point in the graph will display the data recorded and identifiers.
- 5) Estimated dates will be indicated.
- 6) Using the hamburger icon you can Print or Download the chart.
- 7) You can go back to the filter screen using Toggle Search Pane.

Below we have chosen to graph a single animal's weight compared with its Feed Log (Daily Total Consumed).

![](_page_25_Figure_12.jpeg)

We now want to compare Weights and Feed Logs for 3 animals. This activates the option to select graphs by Animal (3 separate graphs will be produced, one for each animal graphing Weight and Feed Log) or Measurement Type (2 separate graphs will be produced, one for each Measurement Type comparing the animals selected).

![](_page_26_Picture_0.jpeg)

![](_page_26_Picture_2.jpeg)

![](_page_26_Figure_3.jpeg)

# Group by Animal was selected for the graphs below:

![](_page_26_Figure_5.jpeg)

Group by Measurement Type was selected for the graphs below:

![](_page_27_Picture_0.jpeg)

![](_page_27_Picture_2.jpeg)

![](_page_27_Figure_3.jpeg)

For the graph below we have selected to graph Animal Weight and entries under Care and Welfare – Behavior.

![](_page_27_Figure_5.jpeg)

You can quickly see that as the animal's self-grooming and atypical aggression increased, its weight decreased.

This tool is also useful to compare Environmental/Water Quality Measurements with measurements such as Animal Weight and Feed Log or behavioral concerns and quickly

![](_page_28_Picture_0.jpeg)

can let you know if the environment is affecting the animals mental or physical health. Moves between enclosures are taken into account and Environmental Measurements will only display when the animal was occupying the enclosure.

Use your mouse to highlight an area of the graph and zoom in for details. Select Reset zoom to go back to the original graph display.

![](_page_28_Figure_5.jpeg)

When displaying the Animal graphing tool for Care and Welfare indicators, any data point that is hovered over will display notes associated with that indicator value.

-		5
Max:	/Cercocebu	s lunulatus/White-naped mangabey/
3		=
3	Wednesday, 28/06/2023	
	•Swelling: 2 - Half swelling	
	Note: Reproductive swelling has reduced significantly since yesterday	
6°	Constant and the second second	
0) 6		
vellir		
ر م ا		
		- The state of the
0		Swelling
	28/06/2023	29/06/2023
Min-		
Rasat		
(Tarket)		Swelling:
		Stretung,

For graphs you run on a regular basis you can create Favorite Filters, and then choose from the dropdown later to prefill the Animal(s) and Measurement Type fields.

![](_page_28_Figure_9.jpeg)

![](_page_29_Picture_0.jpeg)

Select from the Care & Welfare Templates dropdown to prefill the Animal(s) and Measurement Type fields relevant to the template.

11 Animal Graphing Tool							
Favorite Filters Please Select 🔹 🔹 🖉	0	Care & Welfare Template	Diana Monkey BCS 🔹				
Date Range*							
26/6/2023	<b>#</b>	26/7/2023	<b>m</b>				
Animal(s)*			Measurement Type* Clear All Measure	ement Types			
G00670/Cercopithecus diana/Diana monkey/:     ×       442/Cercopithecus diana/Diana monkey/:     ×       Search local animals     Q							
Identifiers *  Preferred ID × Scientific Name × Comm Please Select	ion Nami	e × 👻					
Show Graph							

# Back to Tools Covered

Revised 2 August 2023