

Video hh:mm:ss	Features	slide No. Detection Workshop-v5.ppt	additional *.pptx
SDV_0074.MP4	Ishmael features: Making Spectrograms 1		
0:06:00	Scrolling through a sound file	11	
0:01:31	Making Spectrograms: setting parameters		
0:11:38	Example: Blue Whale calls		
0:18:57	Equalization & Normalization	12	
0:19:39	Example: Harbor Seal		
0:33:23	end		
SDV_0075.MP4	Ishmael features: Making Spectrograms 2		
0:00:00	Adjusting colors and scrolling	13	
0:02:30	Selecting sounds and playback		
0:03:55	Example Blue whale calls		
0:06:47	Saving selected sounds		
0:08:10	Self-paced practice: frame size		
0:26:09	Review of spectrogram settings		
0:28:49	Saving Preference Settings for a Spectrogram	14	
0:31:14	Drag and drop preferences & sound files		
0:32:33	Saving preferences for a Detector		
0:37:16	How to display Multi Channel sound files	15	
0:42:40	Saved settings and Memory usage		
0:44:08	How to open and set up Unknown file formats	16	
0:53:23	Acoustic Measurements	17	FeatureExtractionIshmael.pptx
1:12:01	end		
SDV_0076.MP4	Ishmael features: Manipulating sound files		
0:01:10	Converting sound file formats	18	
0:09:52	Filtering sound files- getting rid of noise	19	
0:32:20	Self-paced practice: filtering		
0:35:58	end		

Video hh:mm:ss	Features	slide No. Detection Workshop-v5.ppt	additional *.pptx
SDV_0077.MP4	Principles of Detection		
0:00:36	Detection and Classification- definitions and differences	20	
0:02:20	Decision criterion & examples	21-24	
0:07:06	Detection Thresholds	25	
0:10:34	Energy Sum Detector	26	
0:19:33	Logging detections		
0:28:51	Improving the detection function: spectrogram effects	27	
0:38:18	Example: Humpback whale calls- Energy Sum Detector		
0:45:08	Saving detector preferences	28	
0:49:37	Self-paced practice: Fin whale Energy Sum detector		
1:12:24	End		
SDV_0078.MP4	Detectors 1		
0:00:00	Energy Sum Detector, cont.: Humpback demo	28	
0:04:30	Detection neighborhoods		
0:07:48	Time duration for Detection functions over threshold		
0:10:06	Smoothing: getting rid of noise spikes		
0:14:27	Sharpening: useful for odontocete clicks		
0:19:28	Self-paced practice: dolphin clicks		
0:37:08	End		
SDV_0079.MP4	Detectors 2		
0:00:00	Spectrogram correlation: demo	28	
0:01:04	Making a template ('Kernel'): Right whale call example		
0:02:49	Demo: Bowhead whale end notes from the Arctic	31	
0:03:42	Blue Whale demo	32	
0:12:05	Saving calls; detected calls saved as new sound files		
0:17:47	Looking at saved detections: the new sound files		
0:26:30	Questions & self-paced practice		
0:28:30	Checking detections: creating Hot keys		
0:33:48	Demo: making a SC kernel detector for Right whale Upcalls		
0:46:37	Self-paced exercise: making a SC detector for blue whale calls		
0:58:30	Equalization in a SC detector: something to consider		
1:06:00	End		

Video hh:mm:ss	Features	slide No. Detection Workshop-v5.ppt	additional *.pptx
SDV_0080.MP4	Detectors 3		
0:00:00	Matched Filter: Blue whale demo	33	
0:30:20	Repetitive calls: discussion	34,35	
0:38:17	Demo: cuskeel (fish)		RegularSeqDet-Mellinger.ppt
0:43:11	Regular Sequences in Ishmael		
0:50:31	Self-paced exercise: making a MF detector for Minke whale calls		
1:07:52	End		
SDV_0081.MP4	Detectors 4		
0:00:00	Repetitive sounds: airguns- demo and self-paced exploration	36	
0:17:02	Downloading detectors: setting up for the demo		
0:20:00	Loading the sound files for the demo and self-paced exercise		
0:21:06	Ishmael Settings; dragging and dropping sound files into Ishmael		
0:21:20	Loading detectors from a web browser and Ishmael web archives		
0:22:43	Ishmael website: world map and list of detectors		
0:23:14	Ishmael website: Detector performance evaluations		
0:24:20	Ishmael Settings: dragging and dropping *.ipf files (detectors)		
0:29:47	Self-paced exercise: downloading Minke whale calls and detector		
0:39:51	Whistle and Moan detector: how it works	37	Mellinger-Whistle Detection.ppt
0:54:30	Minke whale "boing" detector: Demo		
1:03:57	End		
SDV_0084.MP4	Detectors: Whistle and Moan, cont./evaluating performance	38	
0:00:00	Set Up for exercise		
0:03:01	Demo: Beluga whales		
0:13:22	Demo: minke whale boing self-paced exercise		
0:24:57	Performance Evaluation: assessing how well a detector is working	39	
0:33:54	Receiver Operating Characteristic (ROC) curves	40	
0:37:44	Detection Error Tradeoff (DET) curve	41	
0:40:08	How to make performance curves (ROC and DET) in Ishmael	42,43	
0:54:00	Matlab interface with Ishmael	44	
1:05:56	Self-paced activity: making ROC and DET curves in Ishmael/Matlab		
1:12:34	End		

Video hh:mm:ss	Features	slide No. Detection Workshop-v5.ppt	additional *.pptx
SDV_0085.MP4	Performance evaluation, cont.	44	
0:04:40	Receiver Operating Characteristic (ROC) curves, cont.		
0:08:57	Matlab revisited (briefly)		
0:09:18	End		
SDV_0086.MP4	Matlab/ishmael Detector interface		
0:01:00	Detector: Generalized Power Law (DPL) - Demo & exercise		
0:16:23	Discussion: a little theory behind various detectors		
0:23:09	Discussion: 2 important Matlab parameters for GPL detectors		
0:31:12	Ishmael tricks: Sound Card set-up and uses		
0:36:45	Ishmael tricks: zooming in and out of a call- Beluga call example		
0:39:38	Ishmael tricks: grouping successively close detections (e.g. clicks)		
0:43:00	END		