

Date: 29 June 2007

Obs: Andrea and Ellen

Cuaca: Dry / Cloudy

ibu: Audrey					anak: Arthur					ibu: Audrey					anak: Arthur				
jam	kegia tan	item	jenis/patch	tinggi	jam	kegia tan	item	jenis/patch	tinggi	jam	kegia tan	item	jenis/patch	tinggi	jam	kegia tan	item	jenis/patch	tinggi
5.46					7.30	R	sit	malacca	25										
5.48					7.32	F	unripe												
5.50					7.34	Me			20										
5.52					7.36														
5.54					7.38				15										
5.56					7.40	R	sit												
5.58					7.42		sit	scratch											
6.00					7.44	Fsd		from fur											
6.02					7.46	R	sit												
6.04					7.48														
6.06					7.50	Soc	Groom												
6.08					7.52	R	sit		15										
6.10					7.54														
6.12					7.56	Fsd		from fur											
6.14					7.58	R	sit												
6.16					8.00														
6.18					8.02														
6.20	Me			20	8.04	Mc													
6.22	Fsd	unripe	malacca	20	8.06	R	sit												
6.24					8.08														
6.26					8.10	Mc		malacca	20										
6.28				25	8.12				25										
6.30					8.14	R	sit	scratch	30										
6.32					8.16	Fsd	unripe	malacca											
6.34					8.18				25										
6.36					8.20														
6.38	Me	5m	west	25	8.22														
6.40	Fsd	unripe	malacca	20	8.24														
6.42					8.26														
6.44					8.28														
6.46					8.30														
6.48					8.32														
6.50					8.34														
6.52					8.36														
6.54					8.38														
6.56					8.40														
6.58	Fsd	unripe	malacca	25	8.42														
7.00					8.44	Soc		collects											
7.02					8.46	R	sit		20										
7.04					8.48														
7.06					8.50														
7.08					8.52														
7.10					8.54														
7.12					8.56														
7.14					8.58														
7.16					9.00														
7.18				20	9.02														
7.20					9.04														
7.22					9.06														
7.24					9.08														
7.26	R	sit			9.10				18										
7.28	Fsd	unripe			9.12	N	build		18										

jam	siapa	buat apa	sama siapa	pagi; anak di sarang ?	ibu sendiri
06:20	Start	not seen leaving nest as obs. sitting far enough away to not disturb focal as first follow and yesterday lots of kiss squeaking.		yes	
06:40	Focal	in party with adolescent male - Billy			
06:40	Billy	KSQ-1			
06:42	Billy	KSQ-2			
06:46	Billy	moves away >10m and feeds.			
07:17	Billy	KSQ + Gorkum (inhalation of air sound) x 4			
07:18	Billy	KSQ x1 moves away >20m			
07:19	Billy	KSQ + Gorkum x 2			
07:21	Billy	KSQ + Gorkum aimed at Ellen x1 KSQ no Gorkum x 5			
07:32	Billy	no longer seen but heard feeding 20-25m away			
07:44	Audrey	sitting but sucking seeds from fur on hands.			
07:47	KSQ	from Billy x1 Audrey looks off to Billy's direction while still resting			
07:50	Billy	KSQ x1 Audrey peers over branch to look in Billy's direction			

NB * Gorkum is really a Grumph

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Ibu: Audrey					anak: Arthur					Ibu: Audrey					anak: Arthur			
Jam	kegiatan	item	jenis/patch	tinggi	kegiatan	item	jenis/patch	tinggi		Jam	kegiatan	item	jenis/patch	tinggi	kegiatan	item	jenis/patch	tinggi
9.14	N	rest		20	C/N					10.58	R	sit	Ubar	20	C			20
9.16										11.00								
9.18		sneeze								11.02					APM	twirl		20
9.20										11.04								
9.22		cough								11.06								
9.24										11.08								
9.26										11.10	Soc		holds					
9.28										11.12	ME			20				
9.30										11.14				15				
9.32										11.16		10m	20°					
9.34										11.18		15m	20°	20				
9.36										11.20		15m	26°					
9.38										11.22		5m	26°	25				
9.40										11.24	R	sit			Soc	whine		
9.42										11.26					C/R			
9.44										11.28	M+	10m	84°					
9.46										11.30	FFr	ripe	liana	15				15
9.48										11.32	M+	KSQ	10m/116°					
9.50										11.34	Fylv							
9.52										11.36	R	sit		20				20
9.54										11.38	Fpith							
9.56										11.40								
9.58										11.42								
10.00										11.44								
10.02										11.46	M+	5m	24°					
10.04										11.48		10m						
10.06										11.50	Flys							
10.08										11.52								
10.10										11.54								
10.12										11.56								
10.14										11.58								
10.16										12.00	Fylvs							
10.18										12.02	M+	KSQ		25	Voc	whine		25
10.20										12.04	R	Sits		20				
10.22										12.06								
10.24										12.08								
10.26	Voc	KSQ	10m	15	C/R					12.10								
10.28	Kc	KSQ	5m							12.12								
10.30	M+/V	1m/KSQ								12.14								
10.32	Voc	KSQ	x1							12.16								
10.34	M+		240°/5m							12.18								
10.36	Voc	KSQ								12.20								
10.38	Voc	KSQ								12.22								
10.40	Kc									12.24								
10.42	Soc	breaking branches								12.26								
10.44	Fins	rainy		15						12.28								
10.46										12.30								
10.48										12.32								
10.50	Voc	KSQ	grumph							12.34								
10.52	Voc	KSQ	grumph							12.36								
10.54	Fins	ants?								12.38								
10.56	M+/Voc	KSQ								12.40								

SOSIAL

Jam	siapa	buat apa	sama siapa	Jam	Jarak anak-ibu	cuaca	pohon sama/lain
10:13	Pig tail macaque	approaching from 228°	Audrey quiet in nest	9:30	0	dry	sama
	appears at 25m from nest	sees obs and retreats in direction of approach again.		10:00	0		
10:24	Macaque	returns from 184° to within 10m of nest - Audrey & Arthur still quiet.		10:30	?		
10:26	Audrey	heard moving in nest	KSQ with grumph toward macaque	11:00	0-5m		
	(7x) KSQ with grumph	moves 190°/3m	KSQ x 16 with grumph	11:30	0		
10:28	Audrey	uricates and KSQ with grumph	5 KSQ no grumph x 15	12:00	1m		
10:30-32	KSQ	with grumph x 37 + no grumphs	last 2 KSQ	12:30	0-5		
10:33	KSQ	no grumph x 8, grumphs x 2, then x1 KSQ no grumph, then 8 with grumph					
10:34	M+	240° + KSQ x 16 no grumphs.					
10:37	KSQ	with grumph x 4, 3x no grumph, 1x with grumph, then 2x with grumph while urinating					
10:40	Audrey	uricates again: then KSQ with grumphs x 4, 1x long KSQ, then 3x KSQ with grumph.					
10:41	KSQ	no grumph x 1, breaks a branch and looks at obs.					
10:43	Moves	180°/5m, KSQ x 1 no grumph, sits and looks in direction of travel.					
10:44	Audrey	breaks another branch and begins eating.					

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ibu: Audrey					anak: Arthur					ibu: Audrey					anak: Arthur				
jam	kegia tan	item	jenis/patch	tinggi	kegia tan	item	jenis/patch	tinggi		jam	kegia tan	item	jenis/patch	tinggi	kegia tan	item	jenis/patch	tinggi	
12.42	R	sit		20	APm			20		14.26	Me			15	C/m			15	
12.44	R	sit		25	C/m			25		14.28	R	sit			C/r				
12.46	mb	20m	112°	20				20		14.30	Flvs		liana		APM	twirl			
12.48										14.32					C				
12.50	mb	15m	162°							14.34					APM	twirl			
12.52	R	sit			C/R					14.36									
12.54										14.38	Me	10m	118°		C				
12.56										14.40	Flvs		liana	10	APM	twirl		10	
12.58										14.42									
13.00	R	hang	3' hands'		C/R					14.44	Fins								
13.02	Me	10m	3°		C/m					14.46									
13.04										14.48						twirl			
13.06	mb	15m	180°	15				15		14.50									
13.08		10m								14.52	Me	5m	166°	15	C/m			15	
13.10		20m	90°							14.54	Flvs		liana		C/r				
13.12	Fsd	unripe	malacca		C/?					14.56									
13.14										14.58	Me	5m	144°						
13.16										15.00	Flvs	sit	chew	20				20	
13.18										15.02									
13.20	Me	10m	180°	15	C/m					15.04	mb	10m	142°		C/m				
13.22		20m								15.06	Flvs			15	C/r			15	
13.24	Fsd	unripe	Malacca	20	C/?			20		15.08									
13.26										15.10	R	sit		25	APM	twirl		25	
13.28				30				30		15.12	Me	20m	122°	20				20	
13.30										15.14		10m	82°						
13.32										15.16	R	sit		25	APM	twirl	upside down	25	
13.34										15.18	Ffsd	unripe	malacca	25					
13.36										15.20									
13.38										15.22									
13.40										15.24									
13.42										15.26									
13.44										15.28									
13.46										15.30					Voc	whine		25	
13.48										15.32					C/r				
13.50										15.34									
13.52										15.36									
13.54										15.38	Me	10m	200°	20	C/m			20	
13.56										15.40		30m	140°		Voc	whine			
13.58										15.42	Fsd	sit	from fur		C/r				
14.00	mb			20	C/m			20		15.44	R	sit							
14.02	Me + KSQX			15				15		15.46	Ffsd	unripe	malacca						
14.04	Flvs		liana	15	C					15.48					C/r				
14.06										15.50					15	APM	twirl	upside down	15
14.08										15.52									
14.10	Me	2m	180°							15.54									
14.12	R	sit								15.56	Me			15	C/m			15	
14.14	mb	15m	142°							15.58	Fsd	unripe	malacca	25				25	
14.16	Me	10m	162°							16.00	R	sit							
14.18		30m	188°							16.02	Fsd	unripe	malacca		C/r				
14.20	R	sit								16.04					APM	hang			
14.22	mb	10m	158°							16.06									
14.24	R	hana								16.08									

SOSIAL

jam siapa buat apa sama siapa

On separate social sheet.

jam	Jarak anak-ibu	cuaca	pohon sama/lain
13:00	0	dry	sama
13:30	0	dry	
14:00	0	Sunny	
14:30	0.5	Sunny	
15:00	0	Sunny	
15:30	0	Sunny	
16:00	0.5	cloudy	

Date: 29 June 2007										Obs: Andrea / Ellen					Cuaca: Dry / Sunny			
jam	ibu: Audrey				anak: Arthur					jam	ibu: Audrey				anak: Arthur			
	kegia tan	Item	jenis/patch	tinggi	kegia tan	Item	jenis/patch	tinggi	kegia tan		Item	jenis/patch	tinggi	kegia tan	Item	jenis/patch	tinggi	
16.10	mb	sm	78°	20	C/m			20	17.54	Voc	KSQ	39	15					
16.12	mb	S	78°	1				1	17.56									
16.14					Voc	whine		1	17.58									
16.16	Fsd	unripe	malacca	25				25	18.00	mb								
16.18					APM	twirl		25	18.02									
16.20	mb	lom	130°	25	C/m			1	18.04	Voc	KSQ	18						
16.22	Fsd	unripe	malacca	25				1	18.06									
16.24	I	I	I	I				1	18.08									
16.26	R	sik		20				20	18.10									
16.28	mb	lom	186°	20	C/m			20	18.12	N	build							
16.30	R	hang		15					18.14									
16.32	I	I							18.16	I	I							
16.34	Flvs								18.18									
16.36	Frm	bridge	chewing		C				18.20									
16.38	mb	sm	180°						18.22									
16.40	R	sik	scratch	20	C				18.24									
16.42	I	I							18.26									
16.44	Flvs		lana	20	APM	hang	upside down	20	18.28									
16.46	I								18.30	End								
16.48					TF			1	18.32									
16.50	Fins	ants							18.34									
16.52	I	I			C			20	18.36									
16.54	Fsd	unripe	malacca	25					18.38									
16.56									18.40									
16.58									18.42									
17.00									18.44									
17.02				20					18.46									
17.04									18.48									
17.06									18.50									
17.08									18.52									
17.10									18.54									
17.12									18.56									
17.14	mb			20					18.58									
17.16	Flvs			15					19.00									
17.18									19.02									
17.20									19.04									
17.22									19.06									
17.24									19.08									
17.26					APM	twirl		15	19.10									
17.28					I	twirl	upside down	15	19.12									
17.30									19.14									
17.32									19.16									
17.34	Flvs			8					19.18									
17.36	I			10					19.20									
17.38									19.22									
17.40									19.24									
17.42									19.26									
17.44									19.28									
17.46									19.30									
17.48									19.32									
17.50	Voc	KSQ							19.34									
17.52									19.36									
sosial																		
jam	siapa	buat apa		sama siapa		jam	jarak	anak-ibu	cuaca	pohon sama/lain								
16:48	Arthur	takes leaves and bites them - same lana leaves				16.30	0		dry	sama								
	as Audrey	is eating, but spits them out.				17.00												
						17.30	0.5											
18:11	Audrey	heard breaking branches - start building nest				18.00	0											
	only tops of fir seen.					18.30												
18:16	quiet					19.00												
						19.30												
18:30	End	- Obs leave.																

Date: 29th June 2007

Observer: Andrea / Ellen

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jam siapa buat apa sama siapa

07:55 KSQ x1 from Billy - Audrey glances over to Billy then scratches her head with right hand fingers and moves away from Billy

* 08:02 Billy KSQ + *Gorkum x2 towards obs. moves to <20m from Audrey + arthur

08:04 Billy KSQ + *Gorkum x1

08:05 Billy KSQ + *Gorkum x1

08:07 Billy still <20m. Urinates. Audrey is watching him.

08:08 Billy moves to <10m

08:09 Audrey moves away up, Billy is still

* 08:03 Audrey urinates

08:15 Audrey and Billy feeding <10m in same Malacca tree

08:42 Audrey moves towards Billy - Arthur no longer clinging to her and not seen

08:44 Arthur squeak cries. Audrey goes to collect ~~Billy~~ Arthur.

08:52 Billy moves towards Audrey in Malacca tree. <20m

08:54 Billy moves to within 5m of Audrey.

09:07 Billy moves <10m from Audrey then is still again.

09:09 ~~Billy~~ KSQ x1 from Audrey, she then shakes a liana in display. She is <20m from Arthur.

09:12 Audrey begins to build nest.

09:15 Audrey ends building nest.

09:16 No further sounds heard from nest

09:18 Sneeze heard from nest - probably Audrey as strong sound.

09:22 Cough heard from nest - gruff and half gagging-like:- heard twice from nest and likely to be Audrey.

09:23 Sneeze heard from nest - Audrey most likely from sound.

Date: 29th June 2007.

Observer: Andrea + Ellen.

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jam siapa buat apa sama siapa

- 10:45 Billy urinates
- 10:47 Audrey KSQ with grumph x 2
- 10:48 Audrey eating rayap - holds dead wood with both hands (wood < 1m long) Sucks wood with mouth, bites pieces of the wood away, drops it & sucks again.
- 10:50 Audrey drops the wood on hearing movement in trees < 20m looks in that direction (300°), KSQ with grumph x 1. Billy quiet < 20m
- 10:53 Audrey KSQ with grumph x 4, retreats 5m to 20° then KSQ with grumph again x 3
- 10:54 Biting branches from old decaying nest - probably feeding on ants
- 10:55 Audrey KSQ x 1, moves 7m by treesway then KSQ x 1, then KSQ with grumph x 1 then sits looking at obs.
- 11:02 Arthur is free of Audrey, hanging upside down, at
- 11:07 Arthur rights himself and hangs beside Audrey.
- 11:10 Audrey holding on to arthurs leg as he hangs ~~upside down~~ by one arm. Arthur then climbs onto audrey and she brachiates away 5m/20°
- 11:46: Audrey moves towards Billy 24° - Party with 4th orangutan?
- 12:02 Arthur whines as Audrey moves away, and Billy approaches Arthur.
- 12:04 A fourth individual appears visible and kiss squeaks x 15 Audrey is quiet and watching us.
- 12:08 From new individual KSQ x 3, begins breaking branches, moves towards observer KSQ again - is in a tree 5m away from obs at 20m height.
- 12:13 New indivi KSQ x 4 - no grumphs, no hand. Audrey and Arthur are sitting 20m up in a tree 25m from obs, quiet and watching obs.
- 12:19 New ind KSQ with grumphs x 7, KSQ no grumphs x 10
- 12:26 New ind. KSQ no grumphs x 5
- 12:28 New ind KSQ no grumphs. x 2
- 12:29 New ind KSQ with grumphs x 2 breaks branch & throws down towards obs. KSQ again with grumphs x 2, with no grumphs x 6
- 12:33 New ind KSQ with grumphs x 2, then x 1 no grumph, x 2 with grumph, x 6 with grumph. obs sitting quietly & submissively
- 12:42 New individual retreats 280°
- 13:01 Audrey moves south 180°, Billy follows 20m behind.
- 13:13 Audrey and Billy feed in same tree < 10m apart
- 14:02 Audrey crosses transect above obs and KSQ x 1
- 14:03 Audrey urinates
- 14:04 Audrey eating liana leaves, & discards stems.
- 14:26 Audrey while swinging on liana, liana breaks, leaving her suspended upside down. She rights herself and glances at obs. At ± 13m height.
- 14:44 Audrey feeding on ants on dead tree covered in lianas. She touches the back of her hand against the tree & sucks them off with her lips from her hand and fingers. Then takes a handful of leaves and eats them, taking them to another tree. Billy no longer heard.
- 13:37 KSQ towards obs. in path of travel.
- 16:18. Scratches left side with right hand.
- 16:19 Scratches right side with left hand.
- 16:31 Hanging with left hand scratches left arm with right hand.

photos taken

Date: 29 June 2007

Observer: Andrea / Ellen

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jam	siapa	buat apa	sama siapa
16:32	Arthur	climbs 1.5m down to Audrey	& clings to her
16:34	Audrey	climbs down to pick leaves from liana	leaving Arthur behind
16:40	Audrey	sitting on branch scratching hand hand on branch and wiping her wrists on outside of fists. She sucks the hand fur and rubs it again on the branch. Still chewing leaves.	
16:45	Arthur	coughs.	
16:47	Arthur	plays with some leaves	Audrey is eating from same liana. He takes a bite and approaches Audrey.
16:49	Audrey	picking at wrist fur with lips on right hand, she rubs back of wrist to tree & sucks fur again. There is an old nest 0.5m in front of her.	
17:48	There is a sudden loud bird call, arthur whines. Bird calls again		
17:50-56	Audrey KSQ x1, bird seen flying around still chirping Audrey KSQ x 39 no grumphs.		
18:00	Audrey & arthur no longer visible behind large low clump of leaves.		
18:11	branches breaking heard - Start nest building.		
18:16	Nest building ends - then quiet.		
18:30	End.		

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Obs: Andrea / Ellen

[illegible]

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obs: Andrea / Ellen

[illegible]

Focal: Audrey and Arther				Tgl: 29 June 2007				Obs: Andrea Elbn			
Jam	party			Jam	party			Jam	party		
	<2	2-10	10-50		<2	2-10	10-50		<2	2-10	10-50
5.45				10.30			Billy	15.15			
5.50				10.35				15.20			
5.55				10.40				15.25			
6.00				10.45				15.30			
6.05				10.50	Billy			15.35			
6.10				10.55				15.40			
6.15				11.00				15.45			
6.20				11.05				15.50			
6.25				11.10				15.55			
6.30				11.15				16.00			
6.35				11.20				16.05			
6.40			Billy	11.25				16.10			
6.45				10.30				16.15			
6.50				10.35				16.20			
6.55				10.40				16.25			
7.00				10.45				16.30			
7.05				10.50			Billy	16.35			
7.10				10.55				16.40			
7.15				11.00				16.45			
7.20				11.05				16.50			
7.25				11.10				16.55			
7.30				11.15				17.00			
7.35				11.20				17.05			
7.40				11.25				17.10			
7.45				11.30				16.15			
7.50				11.35				16.20			
7.55				11.40				16.25			
8.00				11.45				16.30			
8.05				11.50				16.35			
8.10	Billy			11.55				16.40			
8.15				12.00				16.45			
8.20				12.05			Baru + Billy	16.50			
8.25				12.10				16.55			
8.30				12.15				17.00			
8.35				12.20				17.05			
8.40				12.25				17.10			
8.45				12.30				17.15			
8.50				12.35				17.20			
8.55				12.40				17.25			
9.00				12.45			Billy	17.30			
9.05			Billy	12.50				17.35			
9.10				12.55				17.40			
9.15				13.00				17.45			
9.20				13.05	Billy			17.50			
9.25				13.10				17.55			
9.30				13.15				18.00			
9.35				13.20				18.05			
9.40				13.25				18.10			
9.45				13.30				18.15			
9.50				13.35				18.20			
9.55				13.40				18.25			
10.00				13.45				18.30			
10.05				13.50				18.35			
10.10				13.55			Billy	18.40			
10.15				14.00				18.45			
10.20				14.05				18.50			
10.25				14.10				18.55			
				14.15				19.00			
				14.20				19.05			
				14.25				19.10			
				14.30				19.15			
				14.35				19.20			
				14.40				19.25			
				14.45				19.30			
				14.50				19.35			
				14.55				19.40			
				15.00				19.45			
				15.05				19.50			
				15.10				19.55			

29
7/6/07

Observers: Andrea

Nest Reference Number: 1

PERILAKU BERSARANG

Focal Name: Audrey & Arthur

[illegible]