MARIANAS FRUIT BAT SURVEYS

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
J-001B: U&SI / Finegayan	Survey Area 1, Station 1	3/22/2018	Lauren Gutierrez & Kathleen Plaza	N/A	Waxing Gibbous	75%	3	0	88	4:40 PM	7:00 PM	N/A	N	No bats observed during survey	(I37-I39) - (V37-V39)
J-001B: U&SI / Finegayan	Survey Area 1, Station 3	3/22/2018	Wien Winner	N/A	Waxing Gibbous	75%	3	0	88	4:40 PM	7:00 PM	N/A	N	No bats surveyed	(I37-I39) - (V37-V39)
J-001B: U&SI / Finegayan	Survey Area 1, Station 2	3/22/2018	Joshua Salas & Brian Antolin	N/A	Waxing Gibbous	75%	3	0	84	4:55 PM	7:05 PM	N/A	N	No bats seen	(I37-I39) - (V37-V39)
J-001B: U&SI / Finegayan	Survey Area 1, Station 2	3/23/2018	Christiana Quinata & Kathleen Plaza	N/A	Waxing Gibbous	75%	5	3	86	5:29 AM	7:29 AM	N/A	N	No bats observed; yellow bitterns and golden plovers were observed	(I37-I39) - (V37-V39)
J-001B: U&SI / Finegayan	Survey Area 1, Station 1	3/23/2018	Wien Winner & Brian Antolin	N/A	Waxing Gibbous	75%	5	3	86	5:30 AM	7:33 AM	N/A	N	no bats observed	(I37-I39) - (V37-V39)
J-001B: U&SI / Finegayan	Survey Area 1, Station 3	3/23/2018	Joshua Salas	N/A	Waxing Gibbous	75%	5	3	86	5:30 AM	7:33 AM	N/A	N	No bats seen	(I37-I39) - (V37-V39)
J-001B: U&SI / Finegayan	Survey Area 2, Station 1	3/26/2018	Christiana Quinata	N/A	Waxing Gibbous	0%	6	0	88	5:00 PM	7:07 PM	N/A	N	No bats observed. West NW of *Artocarpus*, observed yellow bitterns, PI doves, plovers, can hear some traffic from Route 3. Can hear use of chaisaws in jungle for around 1820. WW surveyed. JS surveyed.	(W08-W10) - (B08-B10) ; (X11) ; (Z11-Z12) ; (AA11-AA13) ; (AB11-AB12)
J-001B: U&SI / Finegayan	Survey Area 2, Station 3	3/26/2018	Joshua Salas	N/A	Waxing Gibbous	0%	5	0	82	5:00 PM	7:07 PM	N/A	N	CQ surveyed, WW surveyed, bearing range observed from survey point 36°- 297°). No bats seen. 3 individuals collecting wood from P2005 w/ chainsaw.	(W08-W10) - (B08-B10) ; (X11) ; (Z11-Z12) ; (AA11-AA13) ; (AB11-AB12)
J-001B: U&SI / Finegayan	Survey Area 2, Station 2	3/26/2018	Wien Winner	N/A	Waxing Gibbous	75%	4	0	84	5:00 PM	7:07 PM	N/A	N	No bats observed during survey. About 4 people showed up to P205 to collect fire wood. The first 2 people used chansaw & the second 2 used machete	(W08-W10) - (B08-B10) ; (X11) ; (Z11-Z12) ; (AA11-AA13) ; (AB11-AB12)
J-001B: U&SI / Finegayan	Survey Area 2, Station 3	3/27/2018	Joshua Salas	N/A	Waxing Gibbous	75%	5	0	78	5:20 AM	7:25 AM	N/A	N	CQ surveyed. LG surveyed- No bats seen. No bats seen range observed 36°- 297°)	(W08-W10) - (B08-B10) ; (X11) ; (Z11-Z12) ; (AA11-AA13) ; (AB11-AB12)
J-001B: U&SI / Finegayan	Survey Area 2, Station 1 (looking East/SE)	3/27/2018	Christiana Quinata	N/A	Waxing Gibbous	75%	6	0	82	5:30 AM	7:25 AM	N/A	N	No bats observed during survey. Observed yellow bitterns, drangos. LG surveyed. JS surveyed.	(W08-W10) - (B08-B10) ; (X11) ; (Z11-Z12) ; (AA11-AA13) ; (AB11-AB12)
J-001B: U&SI / Finegayan	Survey Area 2, Station 2	3/27/2018	Lauren Gutierrez	N/A	Waxing Gibbous	75%	5	0	78	5:30 AM	7:25 AM	N/A	N	CQ surveyed. LG surveyed- No bats seen. No bats seen range observed 36°- 297°)	(W08-W10) - (B08-B10) ; (X11) ; (Z11-Z12) ; (AA11-AA13) ; (AB11-AB12)
J-001B: U&SI / Finegayan	Survey Area 3, Staiton 2	3/30/2018	Wien Winner	N/A	Waxing Crescent	100%	3	3	75	5:20 AM	7:20 AM	N/A	N	LG & KP surveyed. No bats surveyed, 3 bitterns & 2 PI doves observed. JS surveyed.	(AN21-AN28) - (AP21-AP28) ; (AO29-AQ29) ; (AQ28)
J-001B: U&SI / Finegayan	Survey Area 3, Station 3	3/30/2018	Lauren Gutierrez & Kathleen Plaza	N/A	Waxing Crescent	100%	3	3	75	5:20 AM	7:20 AM	N/A	N	7 Bitterns & 1 PI Dove observed. No bats observed. Light rain throughout the survey, 6 piglets & 2 adult pigs seen.	(AN21-AN28) - (AP21-AP28) ; (AO29-AQ29) ; (AQ28)

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J-001B: U&SI / Finegayan	Survey Area 3, Station 1	3/30/2018	Joshua Salas	N/A	Waxing Crescent	100%	3	3	75	5:25 AM	7:22 AM	N/A	N	Bearing range obs. 50°-270°. No bats seen. Wein surveyed. Lauren & Kat surveyed	(AN21-AN28) - (AP21-AP28) ; (AO29-AQ29) ; (AQ28)
J-001B: U&SI / Finegayan	Survey Area 3, Station 2	3/30/2018	Josefa Munoz	N/A	Waxing Crescent	50%	0	0	80	4:58 PM	7:15 PM	N/A	N	No bats seen during survey	(AN21-AN28) - (AP21-AP28) ; (AO29-AQ29) ; (AQ28)
J-001B: U&SI / Finegayan	Survey Area 3, Station 1	3/30/2018	Wien Winner	N/A	Waxing Crescent	75%	N/A	0	82	5:00 PM	7:15 PM	N/A	N	No bats observed	(AN21-AN28) - (AP21-AP28) ; (AO29-AQ29) ; (AQ28)
J-001B: U&SI / Finegayan	Survey Area 3, Station 3	3/30/2018	Christiana Quinata	N/A	Waxing Crescent	75%	3	0	81	5:00 PM	7:10 PM	N/A	N	WW surveying. JM surveying. In front of *E. joga* tree. Yellow bittern spotted. No bats during survey.	(AN21-AN28) - (AP21-AP28) ; (AO29-AQ29) ; (AQ28)
J-001B: U&SI / Finegayan	Survey Area 4, Station 2	4/3/2018	Christiana Quinata & Kathleen Plaza	N/A	Waning Gibbous	25%	1	0	77	5:27 AM	7:03 AM	N/A	N	no bats observed	(V13-V17) - (Z13-V17) ; (T15) ; (U16) ; (U15) ; (Y12)
J-001B: U&SI / Finegayan	Survey Area 4, Station 2	4/3/2018	Christiana Quinata & Kathleen Plaza	N/A	Waning Gibbous	75%	2	2	77	5:30 AM	7:40 AM	N/A	N	observed yellow bittern and PI dove; no bats observed	(V13-V17) - (Z13-V17) ; (T15) ; (U16) ; (U15) ; (Y12)
J-001B: U&SI / Finegayan	Survey Area 4, Station 3	4/3/2018	Joshua Salas	N/A	Waning Gibbous	75%	0	0	77	5:30 AM	7:30 AM	N/A	N	one-pig, yellow bitterns,PI doves, plovers; no bats seen	(V13-V17) - (Z13-V17) ; (T15) ; (U16) ; (U15) ; (Y12)
J-001B: U&SI / Finegayan	Survey Area 4, Station 3	4/3/2018	Wien Winner	N/A	Waning Gibbous	75%	2	0	82	5:00 PM	7:00 PM	N/A	N	no bats seen; one-plover and two bitterns	(V13-V17) - (Z13-V17) ; (T15) ; (U16) ; (U15) ; (Y12)
J-001B: U&SI / Finegayan	Survey Area 4, Station 1	4/3/2018	Lauren Gutierrez	N/A	Waning Gibbous	75%	2	0	87	5:00 PM	7:00 PM	N/A	N	contractor trucks drove past ~17:08; small flock migratory birds flew overhead; rain sprinkle occurred 18:11-18:16; Yellow bitterns observed; no bats seen	(V13-V17) - (Z13-V17) ; (T15) ; (U16) ; (U15) ; (Y12)
J-001B: U&SI / Finegayan	Survey Area 4, Station 1	4/4/2018	Christiana Quinata & Kathleen Plaza	N/A	Waning Gibbous	75%	2	2	77	5:30 AM	7:40 AM	N/A	N	observed yellow bitterns and 2 plovers; no bats observed	(V13-V17) - (Z13-V17) ; (T15) ; (U16) ; (U15) ; (Y12)
J-001B: U&SI / Finegayan	Survey Area 5, Station 3 (Building 200)	4/5/2018	Wien Winner	N/A	Waning Gibbous	75%	4	2	84	5:05 PM	7:10 PM	N/A	N	no bats observed	(W37-W39) - (AJ37-AJ39) ; (Z36-AJ36) ; (AC35- AH35) ; (AF34-AG34)
J-001B: U&SI / Finegayan	Survey Area 5, Station 1 (Building 200)	4/5/2018	Christiana Quinata	N/A	Waning Gibbous	100%	3	4	84	5:07 PM	7:10 PM	N/A	N	light drizzle; workers here until 17:30; several vehicles; people talking; francolin calls; hekicopters overhead around 1840; no bats observed	(W37-W39) - (AJ37-AJ39) ; (Z36-AJ36) ; (AC35- AH35) ; (AF34-AG34)
J-001B: U&SI / Finegayan	Survey Area 5, Station 2 (Building 200)	4/5/2018	Joshua Salas	N/A	Waning Crescent	100%	4	3	82	5:09 PM	7:10 PM	N/A	N	Plovers, bitterns, gunshot heard	(W37-W39) - (AJ37-AJ39) ; (Z36-AJ36) ; (AC35- AH35) ; (AF34-AG34)
J-001B: U&SI / Finegayan	Survey Area 5, Station 2 (Building 200)	4/6/2018	Lauren Gutierrez	N/A	Waning Gibbous	75%	3	3	78	5:30 AM	7:30 AM	N/A	N	5:50 slight sprinkle < 1 min; heard whimbrel, yellow bittern, sparrow, francolin, PI dove; observed yellow bittern, PI dove, whimbrel, plover; 06:15 sprinkle becoming shower ~10 min -> sprinkle 6:37; vehicles arrived onsite 6:22; no bats observed	(W37-W39) - (AJ37-AJ39) ; (Z36-AJ36) ; (AC35- AH35) ; (AF34-AG34)

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J-001B: U&SI / Finegayan	Survey Area 5, Station 3 (Building 200)	4/6/2018	Joshua Salas	N/A	Waning Gibbous	75%	2	3	78	5:30 AM	7:30 AM	N/A	N	6:03 - saw a flying animal from SW to NE ~100m away, but could not identify; plovers and PI doves	(W37-W39) - (AJ37-AJ39) ; (Z36-AJ36) ; (AC35- AH35) ; (AF34-AG34)
J-001B: U&SI / Finegayan	Survey Area 5, Station 1 (Building 200)	4/6/2018	Christiana Quinata & Kathleen Plaza	N/A	Waning Gibbous	100%	2	3	78	5:32 AM	7:32 AM	N/A	N	2 yellow bitterns, eurasian tree sparrows; workers in area 6:30; no bats observed during survey	(W37-W39) - (AJ37-AJ39) ; (Z36-AJ36) ; (AC35- AH35) ; (AF34-AG34)
J-001B: U&SI / Finegayan	Survey Area 6, Station 1	4/9/2018	Wien Winner	N/A	Waning Crescent	50%	4	0	83	5:00 PM	7:02 PM	N/A	N	No bats observed; saw a PI dove and one bittern	(AJ18-AJ20) - (AK18-AK20) ; (AL19-AL21) ; (AM20-AM22); (AN20-AN22); (AO21-AO22) - (AQ21-AQ22)
J-001B: U&SI / Finegayan	Survey Area 6, Station 2	4/9/2018	Joshua Salas	N/A	Waning Crescent	75%	4	0	82	5:00 PM	7:02 PM	N/A	N	Tree sparrows; PI dove; dogs barking in the distance; cat; Fire (smoke) southwest from survey point (~120m); No bats seen	(AJ18-AJ20) - (AK18-AK20) ; (AL19-AL21) ; (AM20-AM22); (AN20-AN22); (AO21-AO22) - (AQ21-AQ22)
J-001B: U&SI / Finegayan	Survey Area 6, Station 2	4/10/2018	Josefa Munoz	N/A	Waning Crescent	25%	2	0	81	5:30 AM	7:33 AM	N/A	N	one bird flew sw (6:06); two birds flew east (6:37); no bats seen during survey	(AJ18-AJ20) - (AK18-AK20) ; (AL19-AL21) ; (AM20-AM22); (AN20-AN22); (AO21-AO22) - (AQ21-AQ22)
J-001B: U&SI / Finegayan	Survey Area 6, Station 1	4/10/2018	Christiana Quinata	N/A	Waning Crescent	25%	1	0	77	5:33 AM	7:33 AM	N/A	N	Feral dogs; survey area adjacent to construciton site (route 3 widening); three yellow bitterns; eurasion sparrows; drongos; PI doves W --> E; construction starts 07:13; no bats observed during survey	(AJ18-AJ20) - (AK18-AK20) ; (AL19-AL21) ; (AM20-AM22); (AN20-AN22); (AO21-AO22) - (AQ21-AQ22)
J-001B: U&SI / Finegayan	Survey Area 7, Station 1	4/11/2018	Wien Winner	N/A	Waning Crescent	50%	4	0	84	5:00 PM	7:01 PM	N/A	N	No bats observed	
J-001B: U&SI / Finegayan	Survey Area 7, Station 2	4/11/2018	Joshua Salas	N/A	Waning Crescent	75%	5	0	82	5:01 PM	7:00 PM	N/A	N	No bats seen; plover, francolins, deer (crossed comm line), pig (crossed comm line), 17 ICC vehicles passed through comm line ~ 1720	
J-001B: U&SI / Finegayan	Survey Area 7, Station 1	4/12/2018	Christiana Quinata	N/A	Waning Crescent	75%	5	2	77	5:25 AM	7:30 AM	N/A	N	2 bitterns, PI doves, francolins, pacific golden plovers; no bats observed during survey	
J-001B: U&SI / Finegayan	Survey Area 7, Station 2	4/12/2018	Joshua Salas	N/A	Waning Crescent	75%	3	2	78	5:30 AM	7:30 AM	N/A	N	ligth rain ~5:35; hear francolins, yellow bitterns, pig crossed comm line, PI dove; ICC truck passed by ~7:27; no bats seen	
J-001B: U&SI / Finegayan	Survey Area 7 Station 3	4/12/2018	Josefa Munoz	N/A	Waning Crescent	50%	3	0	84	4:59 PM	7:02 PM	N/A	N	Two birds flew NE @ 18:06 and 18:22; No bats seen during survey	
J-001B: U&SI / Finegayan	Survey Area 7, Station 4	4/12/2018	Wien Winner	N/A	Waning Crescent	50%	4	0	85	5:00 PM	7:00 PM	N/A	N	no bats observed; saw 5 bitterns and 1 plover	
J-001B: U&SI / Finegayan	Survey Area 7 Station 3	4/13/2018	Joshua Salas & Kathleen Plaza	N/A	Waning Crescent	75%	3	1	82	5:30 AM	7:30 AM	N/A	N	1 francolin, birds flying across comm line, hear bitterns, bitterns flying across comm line, PI dove flying across comm line; no bats seen	
J-001B: U&SI / Finegayan	Survey Area 8, Station 1	4/17/2018	Josefa Munoz	N/A	Waxing Crescent	50%	3	3	83	5:03 PM	7:04 PM	N/A	N	no bats seen during survey	

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J-001B: U&SI / Finegayan	Survey Area 8, Station 2	4/17/2018	Wien Winner	N/A	Waxing Crescent	50%	4	0	84	5:05 PM	7:05 PM	N/A	N	no bats observed	
J-001B: U&SI / Finegayan	Survey Area 8, Station 3	4/17/2018	Joshua Salas	N/A	Waxing Crescent	100%	4	2	82	5:10 PM	7:00 PM	N/A	N	yellow bittern, 2 deer, dogs barking	
J-001B: U&SI / Finegayan	Survey Area 8, Station 1	4/18/2018	Christiana Quinata & Kathleen Plaza	N/A	Waxing Crescent	50%	3	1	89	5:27 AM	7:30 AM	N/A	N	no bats observed	
J-001B: U&SI / Finegayan	Survey Area 8, Station 2	4/18/2018	Wien Winner	N/A	Waxing Crescent	50%	3	0	80	5:30 AM	7:30 AM	N/A	N	no bats observed	
J-001B: U&SI / Finegayan	Survey Area 8, Station 3	4/18/2018	Joshua Salas	N/A	Waxing Crescent	75%	4	2	78	5:36 AM	7:36 AM	N/A	N	dogs barking, francolin calls, bittern calls, PI dove	
J-001B: U&SI / Finegayan	Survey Area 7, Station 4	4/18/2018	Christiana Quinata	N/A	Waxing Crescent	100%	3	0	78	5:42 AM	7:42 AM	N/A	N	No bats observed; PI dove, francolin	
J-001B: U&SI / Finegayan	Survey Area 10, Station 2	4/19/2018	Wien Winner	N/A	Waxing Crescent	50%	4	0	84	5:00 PM	7:00 PM	N/A	N	No bats observed; saw 3 PI doves and 1 plover	
J-001B: U&SI / Finegayan	Survey Area 10, Station 1	4/19/2018	Josefa Munoz	N/A	Waxing Crescent	50%	3	0	84	5:02 PM	7:03 PM	N/A	N	one bird flies east; one bird flies east-one remains on tree south of station	
J-001B: U&SI / Finegayan	Survey Area 10, Station 1	4/20/2018	Joshua Salas & Kathleen Plaza	N/A	Waxing Crescent	75%	1	0	78	5:23 AM	7:23 AM	N/A	N	Hear deer barking; observed 2 yellow bitterns; multiple cars passing by construction and traffic heard from a distance; No bats observed	
J-001B: U&SI / Finegayan	Survey Area 10, Station 2	4/20/2018	Wien Winner	N/A	Waxing Crescent	75%	3	0	75	5:25 AM	7:25 AM	N/A	N	no bats observed	
J-001B: U&SI / Finegayan	Survey Area 10, Station 4	4/24/2018	Joshua Salas	N/A	Waxing Gibbous	100%	2	3	82	5:00 PM	7:06 PM	N/A	N	2 men collecting stuff from the construction site; tree sparrows; bittern; 2 dogs on construction site; bittern roosted in ViPa; 2 Helicopters flew over survey area; no bats seen	
J-001B: U&SI / Finegayan	Survey Area 10, Station 3	4/24/2018	Christiana Quinata	N/A	Waxing Gibbous	100%	3	2	82	5:06 PM	7:06 PM	N/A	N	Veg. type-Vitex dominant; 2 helicopters overhead; 2 eurasian sparrows; no bats observed during survey	
J-001B: U&SI / Finegayan	Survey Area 10, Station 3	4/25/2018	Wien Winner & Kathleen Plaza	N/A	Waxing Crescent	75%	2	3	79	5:25 AM	7:25 AM	N/A	N	no bats observed; saw 1 bittern and 2 PI doves	
J-001B: U&SI / Finegayan	Survey Area 10, Station 4	4/25/2018	Joshua Salas	N/A	Waxing Crescent	75%	1	3	78	5:25 AM	7:25 AM	N/A	N	PI dove; tree sparrow; 2 dogs; excavator started at 6:56; construction started at 7:10; no bats seen	

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J-001B: U&SI / Finegayan	Survey Area 10, Station 5	4/26/2018	Josefa Munoz & Kathleen Plaza	N/A	Waxing Gibbous	100%	3	3	83	5:00 PM	7:00 PM	N/A	N	Bird flies east	
J-001B: U&SI / Finegayan	Suvey Area 10, Station 6	4/26/2018	Wien Winner	N/A	Waxing Gibbous	100%	3	3	84	5:00 PM	7:00 PM	N/A	N	No bats observed	
J-001B: U&SI / Finegayan	Survey Area 10, Station 5	4/27/2018	Joshua Salas	N/A	Waxing Gibbous	100%	3	2	80	5:20 AM	7:20 AM	N/A	N	Francolin calls; deer calls; PI doves; no bats seen	
J-001B: U&SI / Finegayan	Suvey Area 10, Station 6	4/27/2018	Wien Winner	N/A	Waxing Gibbous	100%	3	0	80	5:20 AM	7:20 AM	N/A	N	No bats observed; Saw PI dove	
J-001B: U&SI / Finegayan	Survey Area 12, Station 1	5/5/2018	Lauren Gutierrez	N/A	Waning Crescent	75%	4	0	82	5:15 PM	7:15 PM	N/A	N	4 PI Doves; 1 pig; 4 bitterns; 1 cat; 3 helicopters passed; 2 jets passed; 1 deer barking	
J-001B: U&SI / Finegayan	Survey Area 12, Station 2	5/5/2018	Joshua Salas	N/A	Waning Crescent	75%	4	0	82	5:23 PM	7:20 PM	N/A	N	Francolin calls; helicopter flies over survey area x2; PI dove; dogs barkinhg in the distance; pigs squealing; pigs crossing road; influx of insects; No bats seen	
J-001B: U&SI / Finegayan	Survey Area 12, Station 3	5/5/2018	Christiana Quinata	N/A	Waning Crescent	75%	4	0	82	5:30 PM	7:15 PM	N/A	N	75% vitex canopy defoliated (helicopter overhead); 1 francolin; 1 PI dove; No bats observed during survey	
J-001B: U&SI / Finegayan	Survey Area 12, Station 1	5/6/2018	Lauren Gutierrez	N/A	Waning Gibbous	100%	0	0	78	5:10 AM	7:10 AM	N/A	N	3 deer; 2 pigs; construction traffic began @ 6:06; PI doves; 1 bittern	
J-001B: U&SI / Finegayan	Survey Area 12, Station 2	5/6/2018	Joshua Salas	N/A	Waning Gibbous	100%	0	0	78	5:19 AM	7:19 AM	N/A	N	Deer calls; francolin calls; yellow bittern fleis; GOJV workers arrive 6:10; POV's seen off roading; PI dove; greater banded hornet; no bats seen	
J-001B: U&SI / Finegayan	Survey Area 12, Station 3	5/6/2018	Christiana Quinata	N/A	Waning Gibbous	100%	0	0	78	5:23 AM	7:23 AM	N/A	N	observed yellow bittern foraging in green waste pile; many francolin calls; no bats observed	
J-001B: U&SI / Finegayan	Survey Area 9, Station 1	5/11/2018	Josefa Munoz	N/A	Waning Gibbous	75%	1	0	82	5:00 PM	7:05 PM	N/A	N	Two birds fly NE at 17:03	
J-001B: U&SI / Finegayan	Survey Area 9, Station 2	5/11/2018	Joshua Salas	N/A	Waning Gibbous	75%	2	0	82	5:00 PM	7:05 PM	N/A	N	2 drongos; 2 PI doves; Francolins calling; yellow bittern; No bats seen	
J-001B: U&SI / Finegayan	Survey Area 9, Station 1	5/14/2018	Josefa Munoz	N/A	Waning Crescent	0%	1	0	75	5:10 AM	7:10 AM	N/A	N	No bats seen; saw 3 bitterns	
J-001B: U&SI / Finegayan	Survey Area 9, Station 2	5/14/2018	Joshua Salas	N/A	Waning Crescent	0%	1	0	75	5:10 AM	7:10 AM	N/A	N	Yellow bittern; francolin calls; wild pig crossed comm line; PI dove calls	

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Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
J-001B: U&SI / Finegayan	Survey Area 12 (NW), Station 2	6/20/2018	Wien Winner	N/A	Waxing Crescent	50%	2	0	86	5:06 PM	7:10 PM	N/A	N	no bats observed; saw two bitterns	
J-001B: U&SI / Finegayan	Survey Area 12 (NW), Station 1	6/20/2018	Joshua Salas	N/A	Waxing Crescent	50%	2	0	84	5:07 PM	7:10 PM	N/A	N	Dogs barking in distance; pig crosses roadway; Helicopter flew near survey area; Deer barks; yellow bittern flies across; No bats seen	
J-001B: U&SI / Finegayan	Survey Area 12 (NW), Station 2	6/21/2018	Lauren Gutierrez	N/A	Waxing Crescent	75%	3	0	80	5:00 AM	7:00 AM	N/A	N	3 bitterns; rainfall preceeded survey; roads wet; greenhouse frog heard; vehicles start arriving onsite 06;00; 1 PI dove; 6 sparrows	
J-001B: U&SI / Finegayan	Survey Area 12 (NW), Station 1	6/21/2018	Joshua Salas	N/A	Waxing Crescent	75%	3	0	80	5:06 AM	7:00 AM	N/A	N	bittern calls; bittern flew into survey area and roosted on a Vitex; 4 bitterns flew near survey area; francolin calls; No bats seen	
J-001B: U&SI / Finegayan	Survey Area 13, Station 1	6/21/2018	Wien Winner	N/A	Waxing Gibbous	50%	4	4	84	5:15 PM	7:18 PM	N/A	N	No bats seen; saw 2 PI doves	
J-001B: U&SI / Finegayan	Survey Area 13, Station 3	6/21/2018	Joshua Salas	N/A	Waxing Gibbous	100%	3	2	84	5:28 PM	7:18 PM	N/A	N	francolin calls; 2 helicopters flew over survey area; pig in fiel; dove calls; dogs barking in distance; 3 bitterns flew over survey area; No Bats Seen	
J-001B: U&SI / Finegayan	Survey Area 13, Station 2	6/21/2018	Kathleen Plaza	N/A	Waxing Gibbous	50%	4	4	84	5:33 PM	7:15 PM	N/A	N	1 francolin observed; 2 PI doves flying; saw 1 deer	
J-001B: U&SI / Finegayan	Survey Area 13, Station 1	6/22/2018	Wien Winner	N/A	Waxing Gibbous	50%	4	0	80	5:11 AM	7:15 AM	N/A	N	no bats observed; 2 PI dove and 2 bittern	
J-001B: U&SI / Finegayan	Survey Area 13, Station 3	6/22/2018	Joshua Salas	N/A	Waxing Gibbous	50%	3	0	80	5:11 AM	7:00 AM	N/A	N	barking frogs heard; roosters crow; dogs bark; francolins call; PI dove flew over across survey area x2; bittern flew across survey area; no bats seen	
J-001B: U&SI / Finegayan	Survey Area 13, Station 2	6/22/2018	Kathleen Plaza	N/A	Waxing Gibbous	75%	4	0	80	5:20 AM	7:20 AM	N/A	N	heard PI dove; observed 1 pig; 1 PI dove flying ; no bats	
J-001B: U&SI / Finegayan	Survey Area 10 (West), Station 1	7/6/2018	Joshua Salas	N/A	Waning Gibbous	100%	5	4	78	4:50 PM	6:50 PM	N/A	N	post-tropical storm; bittern flew over	
J-001B: U&SI / Finegayan	Survey Area 10 (West), Station 2	7/6/2018	Wien Winner	N/A	Waning Gibbous	100%	5	4	78	4:50 PM	6:50 PM	N/A	N	no bats observed	
J-001B: U&SI / Finegayan	Survey Area 10 (West), Station 2	7/7/2018	Wien Winner	N/A	Waning Gibbous	25%	2	0	78	5:05 AM	7:05 AM	N/A	N	2 birds seen flying; 3 PI doves observed flying	
J-001B: U&SI / Finegayan	Survey Area 10 (West), Station 1	7/7/2018	Joshua Salas	N/A	Waning Gibbous	25%	1	0	78	5:09 AM	7:06 AM	N/A	N	francolin calls; deer grazing; no bats seen	

MARIANAS FRUIT BAT SURVEYS

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
J-001B: U&SI / Finegayan	Survey Area 15, Station 1	7/19/2018	Joshua Salas	N/A	Waxing Crescent	75%	2	3	84	5:05 PM	7:05 PM	N/A	N	Dogs barking; no bats seen	
J-001B: U&SI / Finegayan	Survey Area 15, Station 3	7/19/2018	Wien Winner	N/A	Waxing Crescent	75%	2	3	85	5:05 PM	7:05 PM	N/A	N	No bats observed	
J-001B: U&SI / Finegayan	Survey Area 15, Station 2	7/19/2018	Kathleen Plaza	N/A	Waxing Crescent	100%	2	1	84	5:05 PM	7:05 PM	N/A	N	2 PI doves observed; 2 bitterns flying; 1 pig observed	
J-001B: U&SI / Finegayan	Survey Area 15, Station 1	7/20/2018	Joshua Salas	N/A	Waxing Crescent	100%	3	3	80	5:08 AM	7:08 AM	N/A	N	No bats seen	
J-001B: U&SI / Finegayan	Survey Area 15, Station 2	7/20/2018	Kathleen Plaza	N/A	Waxing Crescent	100%	1	3	81	5:08 AM	7:08 AM	N/A	N	1 pig observed; 1 bird flying; PI dove; no bats observed	
J-001B: U&SI / Finegayan	Survey Area 15, Station 3	7/20/2018	Wien Winner	N/A	Waxing Crescent	100%	3	3	80	5:10 AM	7:10 AM	N/A	N	no bats observed	
J-001B: U&SI / Finegayan	Survey Area 16, Station 3	7/25/2018	Wien Winner	N/A	Waxing Gibbous	75%	3	0	84	5:30 PM	7:30 PM	N/A	N	no bats observed	
J-001B: U&SI / Finegayan	Survey Area 16, Station 2	7/25/2018	Kathleen Plaza	N/A	Waxing Gibbous	75%	1	0	84	5:32 PM	7:32 PM	N/A	N	1 yellow bittern flyying; no bats observed	
J-001B: U&SI / Finegayan	Survey Area 16, Station 1	7/25/2018	Joshua Salas	N/A	Waxing Gibbous	50%	3	0	84	5:35 PM	7:21 PM	N/A	N	Francolins calling in the distance; helicopter flew near survey area; no bats seen	
J-001B: U&SI / Finegayan	Survey Area 16, Station 3	7/26/2018	Wien Winner	N/A	Waxing Gibbous	50%	0	0	80	5:20 AM	7:20 AM	N/A	N	no bats observed	
J-001B: U&SI / Finegayan	Survey Area 16, Station 2	7/26/2018	Joshua Salas	N/A	Waxing Gibbous	0%	0	0	78	5:22 AM	7:22 AM	N/A	N	1 pig and 2 deer observed	
J-001B: U&SI / Finegayan	Survey Area 16, Station 1	7/26/2018	Christiana Quinata	N/A	Waxing Gibbous	25%	1	0	80	5:30 AM	7:30 AM	N/A	N	7 yellow bitterns; no bats observed	
J-001B: U&SI / Finegayan	Phase 6 Group 1, Station 2	10/15/2018	Joshua Salas	N/A	Waxing Crescent	50%	2	2	82	4:36 PM	6:38 PM	N/A	N	Plover calling heard; 2 plovers seen flying near survey area; 3 Plovers flying near survey area; Yellow bittern flew from survey area; Helicopter flew near area. No fruit bats observed.	
J-001B: U&SI / Finegayan	Phase 6 Group 1 , Station 1	10/15/2018	Kathleen Plaza	N/A	Waxing Crescent	75%	1	1	82	4:38 PM	6:38 PM	N/A	N	2 Plovers walking near survey point. Heard deer barking. No Bats observed.	

MARIANAS FRUIT BAT SURVEYS

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
J-001B: U&SI / Finegayan	Phase 6 Group 1, Station 2	10/16/2018	Joshua Salas & Bertina Mendiola	N/A	Waxing Crescent	0%	0	2	78	5:13 AM	7:13 AM	N/A	N	Black drongo seen flying through survey area 11; No fruit bats observed. Movement seen in pandans but no confirmatino of fruit bat after closer observations.	
J-001B: U&SI / Finegayan	Phase 6 Group 1, Station 1	10/16/2018	Wien Winner	N/A	Waxing Crescent	50%	0	1	79	5:20 AM	7:20 AM	N/A	N	No fruit bats observed.	
J-001B: U&SI / Finegayan	Phase 6 Group 2, Station 2	10/18/2018	Kathleen Plaza & Bertina Mendiola	N/A	Waxing Gibbous	25%	2	0	84	4:56 PM	6:56 PM	N/A	N	2 Helicopters flew close to survey area; 1 Plover walking in survey gorund; 4 Bittern flying; 1 Deer observed. No fruit bats observed.	
J-001B: U&SI / Finegayan	Phase 6 Group 2, Station 1	10/18/2018	Joshua Salas	N/A	Waxing Gibbous	50%	3	0	84	4:56 PM	6:56 PM	N/A	N	2 choppers flew by survey area; Yellow bitterncalls; Plover calls; 2 Bitterns flew across survey area.	
J-001B: U&SI / Finegayan	Phase 6 Group 2, Station 1	10/19/2018	Joshua Salas	N/A	Waxing Gibbous	0%	1	0	78	5:18 AM	7:18 AM	N/A	N	Obseved a flying figure go across survey area North ~400 feet away; Black drongo fllying in survey area; 9 Plovers flew over survey area; 2 Doves in survey area; No bats observed.	
J-001B: U&SI / Finegayan	Phase 6 Group 2, Station 2	10/19/2018	Kathleen Plaza & Bertina Mendiola	N/A	Waxing Gibbous	50%	0	0	79	5:21 AM	7:21 AM	N/A	N	1 Deer observed; 11 Bitterns; At 0636, heard people talking close to survey area; 1 Black Francolin walking in survey site; Not bats observed.	
J-001B: U&SI / Finegayan	FES Area 1, Station 3	10/22/2018	Kathleen Plaza	N/A	Waxing Gibbous	25%	1	0	84	4:16 PM	6:16 PM	N/A	N	2 Deers observed close to survey area; No bats observed.	
J-001B: U&SI / Finegayan	FES Area 1, Station 1	10/22/2018	Joshua Salas	N/A	Waxing Gibbous	25%	4	0	84	4:20 PM	6:21 PM	N/A	N	Black Francolin seen (x3); Dove flew near survey area; No bats seen.	
J-001B: U&SI / Finegayan	FES Area 1, Station 2	10/22/2018	Wien Winner	N/A	Waxing Gibbous	50%	2	0	85	4:20 PM	6:20 PM	N/A	N	Saw 2 PI Doves; No bats observed.	
J-001B: U&SI / Finegayan	FES Area 1, Station 1	10/23/2018	Joshua Salas	N/A	Waxing Gibbous	0%	3	0	78	5:10 AM	7:10 AM	N/A	N	Yellow bittern seen; Feral dogs; 2 deer; Plover seen; Francolin seen.	
J-001B: U&SI / Finegayan	FES Area 1, Staiton 3	10/23/2018	Kathleen Plaza	N/A	Waxing Gibbous	50%	2	0	82	5:14 AM	7:14 AM	N/A	N	No bats observed	
J-001B: U&SI / Finegayan	FES Area 1, Station 2	10/23/2018	Wien Winner	N/A	Waxing Gibbous	75%	2	0	80	5:15 AM	7:15 AM	N/A	N	No bats observed	
J-001B: U&SI / Finegayan	FES Area 1, Station 1	2/5/2019	Wien Winner	N/A	Waxing Crescent	50%	2	0	81	4:38 PM	6:45 PM	N/A	N	No bats observed	
J-001B: U&SI / Finegayan	FES Area 1, Station 2	2/5/2019	Bertina Mendiola & Sheeka Tareyama	N/A	Waxing Crescent	85%	1	0	82	4:38 PM	6:48 PM	N/A	N	No bats observed. Drongos chirpping.	

MARIANAS FRUIT BAT SURVEYS

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
J-001B: U&SI / Finegayan	FES Area 1, Station 1	2/6/2019	Wien Winner	N/A	Waxing Crescent	25%	2	0	78	5:26 AM	7:26 AM	N/A	N	No bats observed	
J-001B: U&SI / Finegayan	FES Area 1, Station 2	2/6/2019	Bertina Mendiola & Sheeka Tareyama	N/A	Waxing Crescent	85%	2	0	77	5:26 AM	7:26 AM	N/A	N	No bats observed. Drongos chirpping. One pig observed walking to zone 1.	
J-001B: U&SI / Finegayan	Road 10, Station 1	3/11/2019	Bertina Mendiola	N/A	Waxing Crescent	75%	2	0	82	5:05 PM	7:05 PM	N/A	N	No bats observed. 10 bitterns and 1 deer. At 1850 GOJV vehicles (2) came near monitoring point to conduct what looks like maintenance on heavy equipment. Bright lights were turned on their vehicles.	
J-001B: U&SI / Finegayan	Road 10, Station 2	3/11/2019	Sheeka Tareyama & Adrienne Loerzel	N/A	Waxing Crescent	75%	2	0	82	5:05 PM	7:05 PM	N/A	N	No bats observed. 3 deer walking from J001B into the NIC. One deer walking out of NIC into J001B. Several bitterns and plovers flying around.	
J-001B: U&SI / Finegayan	Road 10, Station 1	3/12/2019	Bertina Mendiola	N/A	Waxing Crescent	85%	1	0	77	5:20 AM	7:20 AM	N/A	N	No bats observed. 5 bitterns and 2 unknown birds.	
J-001B: U&SI / Finegayan	Road 10, Station 2	3/12/2019	Sheeka Tareyama & Adrienne Loerzel	N/A	Waxing Crescent	85%	1	0	77	5:20 AM	7:20 AM	N/A	N	No bats observed. Yellow bitterns flying around. One plover observed feeding in disturbed soil area.	
J-001B: U&SI / Finegayan	Zone 9 Station 1	3/25/2019	Bertina Mendiola	N/A	Waning Gibbous	100%	0	4	75	5:17 AM	7:17 AM	N/A	N	No bats observed. Maintenance vehicles come thru. BM noted fruit bat observed 30 minutes after fruit bat survey along Route 3.	
J-001B: U&SI / Finegayan	Zone 9 Station 1	3/25/2019	Bertina Mendiola	N/A	Waning Gibbous	70%	3	0	81	4:40 PM	6:40 PM	N/A	N	No bats observed. Construction activity occuring. Helicopter passing (three times during survey). GOJV worker inspecting site near soil. Five yellow bittern observations. Maintenance crew for heavy equipment on site at 1820.	
J-001B: U&SI / Finegayan	Road 9 station 1	3/25/2019	Sine Foster & Wien Winner	N/A	Waning Gibbous	75%	2	0	81	4:40 PM	6:40 PM	N/A	N	No bats observed	
J-001B: U&SI / Finegayan	Zone 9 Station 2	3/26/2019	Sheeka Tareyama	N/A	Waning Gibbous	90%	1	2-3	77	5:17 AM	7:17 AM	N/A	N	No bats observed. Francolins calling. Bittern flying. Six plovers.	
J-001B: U&SI / Finegayan	Zone 9 Station 2	3/26/2019	Sheeka Tareyama	N/A	Waning Gibbous	70%	2	0	84	4:40 PM	6:40 PM	N/A	N	No bats observed. Other observations: one doe, four plovers, roosters, francolins calling. GOJV person wlaking near area.	
J-001B: U&SI / Finegayan	Road 9 station 1	3/26/2019	Sine Foster & Wien Winner	N/A	Waning Gibbous	95%	2	3	78	5:!7	7:17 AM	N/A	N	No bats observed	
J-001B: U&SI / Finegayan	Northeast corner (Potts Junction) Station 2	4/11/2019	Lauren Gutierrez	N/A	Waxing Crescent	1500%	2	0	85	4:50 PM	7:00 PM	N/A	N	No bats observed. 3 pigs, 1 drongo, 1 bittern, 1 deer. Heard geckos, roosters, greenhouse frog.	
J-001B: U&SI / Finegayan	Northeast corner (Potts Junction) Station 1	4/11/2019	Sheeka Tareyama	N/A	Waxing Crescent	2000%	1	0	85	4:55 PM	7:00 PM	N/A	N	No bats observed. 2 dogs, 1 Philippine dove, 2 bitterns.	

MARIANAS FRUIT BAT SURVEYS

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
J-001B: U&SI / Finegayan	Northeast corner (Potts Junction) Station 3	4/11/2019	Sine Foster & Christiana Quinata	N/A	Waxing Crescent	0%	1	0	83	4:56 PM	6:56 PM	N/A	N	No bats observed. 3 Philippine doves.	
J-001B: U&SI / Finegayan	Northeast corner (Potts Junction) Station 3	4/12/2019	Sine Foster & Bertina Mendiola	N/A	Waxing Crescent	1000%	0	0	78	5:17 AM	7:17 AM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Northeast corner (Potts Junction) Station 1	4/12/2019	Sheeka Tareyama	N/A	Waxing Crescent	2000%	0	0	78	5:20 AM	7:20 AM	N/A	N	No bats observed. 2 plovers, 3 dogs, 1 bitter, 2 drongos.	
J-001B: U&SI / Finegayan	Northeast corner (Potts Junction) Station 2	4/12/2019	Adrienne Loerzel	N/A	Waxing Crescent	2000%	0	0	77	5:20 AM	7:20 AM	N/A	N	No bats observed. 5 pigs, 2 Philippine doves, 2 drongos, 1 tom cat.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 1	4/15/2019	Brian Antolin	N/A	Waxing Gibbous	75%	3	0	88	4:50 PM	6:50 PM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 2	4/15/2019	Adrienne Loerzel	N/A	Waxing Gibbous	75%	1	0	82	4:50 PM	6:50 PM	N/A	N	No bats obsrved. 2 doves, barking frogs, 2 pigs behind fenceline.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 3	4/15/2019	Christiana Quinata	N/A	Waxing Gibbous	75%	3	0	80	4:51 PM	6:51 PM	N/A	N	No bats observed. Helicopter at 1755. Ripe pandanus tectorius fruit.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 5	4/15/2019	Bertina Mendiola	N/A	Waxing Gibbous	0%	1	0	78	4:55 PM	6:00 PM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 7	4/15/2019	Wien Winner	N/A	Waxing Gibbous	1000%	3	0	83	4:56 PM	6:51 PM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 6	4/15/2019	Sine Foster & Sheeka Tareyama	N/A	Waxing Gibbous	100%	1	0	88	4:56 PM	6:58 PM	N/A	N	No bats observed. Dogs barking.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 4	4/15/2019	Lauren Gutierrez	N/A	Waxing Gibbous	90%	3	0	80	5:00 PM	7:00 PM	N/A	N	No bats observed. Hear: barking frog, francolin, geckos, green house frog. Observed: blue spot butterfly, swallowtail, 1 pig, 1 bittern.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 2	4/16/2019	Adrienne Loerzel & Sine Foster	N/A	Waxing Gibbous	60%	1	0	80	5:25 AM	7:25 AM	N/A	N	No bats observed. Cat, kakkak, drongo	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 1	4/16/2019	Brian Antolin	N/A	Waxing Gibbous	60%	3	1	84	5:30 AM	7:30 AM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 5	4/16/2019	Bertina Mendiola	N/A	Waxing Gibbous	75%	1	0	79	5:30 AM	7:30 AM	N/A	N	No bats observed.	

MARIANAS FRUIT BAT SURVEYS

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J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 4	4/16/2019	Lauren Gutierrez	N/A	Waxing Gibbous	99%	2	0	80	5:30 AM	7:30 AM	N/A	N	No bats observed. Hear: barking frog, francolin, green house frog, gecko. Observe: 1 bittern, swallowtail.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 7	4/16/2019	Wien Winner	N/A	Waxing Gibbous	75%	4	0	80	5:34 AM	7:34 AM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 6	4/16/2019	Sheeka Tareyama	N/A	Waxing Gibbous	90%	2	0	84	5:34 AM	7:34 AM	N/A	N	No bats observerd. Deer barking.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 3	4/16/2019	Christiana Quinata	N/A	Waxing Gibbous	100%	2	0	85	5:34 AM	7:34 AM	N/A	N	No bats observed. 722 construction activity on Route 3A.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 8	4/22/2019	Lauren Gutierrez	N/A	Waning Gibbous	60%	2	0	85	5:00 PM	7:00 PM	N/A	N	No bats observed. Heard gecko, green house frogs, bittern, francolin, barking frog. Observed swallow tail, one bittern	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 9	4/22/2019	Christiana Quinata	N/A	Waning Gibbous	60%	1	0	85	5:05 PM	7:05 PM	N/A	N	No bats observed. Heard pigs (Sus scrofa)	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 10	4/22/2019	Sheeka Tareyama	N/A	Waning Gibbous	75%	1	0	85	5:06 PM	7:06 PM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 8	4/23/2019	Lauren Gutierrez	N/A	Waning Gibbous	80%	2	0	78	5:30 AM	7:30 AM	N/A	N	No bats observed. Heard green house frog, gecko, pig, deer, bittern. Observed blu spot butterfly Philippine dove, swallowtail.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 9	4/23/2019	Christiana Quinata	N/A	Waning Gibbous	0%	1	0	78	5:35 AM	7:35 AM	N/A	N	No bats observed. Heard pigs (Sus scrofa)	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 10	4/23/2019	Sheeka Tareyama	N/A	Waning Gibbous	85%	1	0	78	5:36 AM	7:36 AM	N/A	N	No bats observed. Heard francolins. Saw 2 bitterns.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 15	4/29/2019	Christiana Quinata	N/A	Waning Crescent	100%	2	0	82	5:00 PM	7:00 PM	N/A	N	No bats observed. Still hear construction equipment, Walking through survey area before and after survey to get to and from survey sites.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 14	4/29/2019	Sheeka Tareyama	N/A	Waning Crescent	75%	2	0	80	5:03 PM	7:03 PM	N/A	N	No bats observed. Heard deer and pigs.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 13	4/29/2019	Adrienne Loerzel	N/A	Waning Crescent	80%	3	0	80	5:03 PM	7:03 PM	N/A	N	No bats observed. Saw brown tree snake sliding out of pandanus, heard francolins, geckos, and deer.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 12	4/29/2019	Bertina Mendiola	N/A	Waning Crescent	80%	2	0	81	5:04 PM	7:04 PM	N/A	N	No bats observed. 1 pig, 1 yellow bittern.	

MARIANAS FRUIT BAT SURVEYS

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 11	4/29/2019	Wien Winner	N/A	Waning Crescent	75%	3	0	82	5:07 PM	7:07 PM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 15	4/30/2019	Christiana Quinata	N/A	Waning Crescent	25%	2	0	78	5:20 AM	7:20 AM	N/A	N	No bats observed. 1 deer, 1 francolin. Walked through survey site before and after to get to and from survey stations.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 14	4/30/2019	Sheeka Tareyama	N/A	Waning Crescent	50%	2	0	78	5:20 AM	7:20 AM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 13	4/30/2019	Adrienne Loerzel	N/A	Waning Crescent	50%	2	0	78	5:22 AM	7:22 AM	N/A	N	No bats observed. Heard francolin, geckos, pig, dove, and deer.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 12	4/30/2019	Bertina Mendiola	N/A	Waning Crescent	70%	2	0	81	5:25 AM	7:25 AM	N/A	N	No bats observed. 2 pigs.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 11	4/30/2019	Wien Winner	N/A	Waning Crescent	25%	2	0	79	5:30 AM	7:20 AM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Route 3 Fence Station 3	5/6/2019	Sheeka Tareyama	N/A	Waxing Crescent	1500%	0	0	86	4:45 PM	6:45 PM	N/A	N	No bats observed. See Eurasian tree sparrows (4), stray dogs (3). GOJV equipment activity ongoing inside project fence.	
J-001B: U&SI / Finegayan	Route 3 Fence Station 1	5/6/2019	Brian Antolin	N/A	Waxing Crescent	25%	3	0	84	4:45 PM	7:00 PM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Route 3 Fence Station 2	5/6/2019	Sine Foster	N/A	Waxing Crescent	25%	0	0	79	4:45 PM	6:45 PM	N/A	N	No bats observed. Very busy intersection with POV going into a neighborhood. 2 yellow bitterns	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 18	5/6/2019	Bertina Mendiola	N/A	Waxing Crescent	45%	3	0	85	4:53 PM	6:53 PM	N/A	N	No bats observed. Deer barking	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 17	5/6/2019	Lauren Gutierrez	N/A	Waxing Crescent	60%	2	0	83	5:00 PM	7:00 PM	N/A	N	No bats observed. Observed skink curious, cycad blue moth, pig. Heard gecko, deer, francolin, green house frog, machine gun frog.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 16	5/6/2019	Adrienne Loerzel	N/A	Waxing Crescent	60%	1	0	83	5:05 PM	7:05 PM	N/A	N	No bats observed. Heard pigs, francolin, and deer. 2 cycads with seeds outside footprint.	
J-001B: U&SI / Finegayan	Route 3 Fence Station 3	5/7/2019	Sheeka Tareyama	N/A	Waxing Crescent	1000%	0	0	78	5:05 AM	7:12 AM	N/A	N	No bats observed. 1 wild dog, 3 Eurasian tree sparrows.	
J-001B: U&SI / Finegayan	Route 3 Fence Station 1	5/7/2019	Brian Antolin	N/A	Waxing Crescent	5%	1	0	78	5:10 AM	7:13 AM	N/A	N	No bats observed.	

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J-001B: U&SI / Finegayan	Route 3 Fence Station 2	5/7/2019	Sine Foster	N/A	Waxing Crescent	5%	0	0	79	5:11 AM	7:11 AM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 18	5/7/2019	Bertina Mendiola	N/A	Waxing Crescent	25%	1	0	79	5:15 AM	7:15 AM	N/A	N	No bats observed. Deer barking, dogs barking.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 16	5/7/2019	Adrienne Loerzel	N/A	Waxing Crescent	2000%	1	0	520	5:20 AM	7:20 AM	N/A	N	No bats observed. Heard francolins, deer, barking frog, dove, and bittern.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 17	5/7/2019	Lauren Gutierrez	N/A	Waxing Crescent	80%	1	0	80	5:20 AM	7:20 AM	N/A	N	No bats observed. Heard green house frog, deer, barking frog. Observed bittern (2), blue spot butterfly.	
J-001B: U&SI / Finegayan	Route 3A Fence Station 2	5/13/2019	B. Mendiola	N/A	Waxing Gibbous	75%	1	0	79	5:07 PM	7:07 PM	N/A	N	No bats observed. 2 doves.	
J-001B: U&SI / Finegayan	Route 3A Fence Station 3	5/13/2019	C. Quinata	N/A	Waxing Gibbous	75%	2	0	82	5:08 PM	7:08 PM	N/A	N	No bats observed. Saw 3 yellow bitterns	
J-001B: U&SI / Finegayan	Route 3A Fence Station 1	5/13/2019	A. Loerzel	N/A	Waxing Gibbous	70%	2	0	85	5:09 PM	19:)9	N/A	N	No bats observed. Heard francolins, chickens, doves, barking frogs, and geckos. Saw doves and bittern.	
J-001B: U&SI / Finegayan	Route 3A Fence Station 4	5/13/2019	S. Foster	N/A	Waxing Gibbous	2000%	3	0	82	5:15 PM	7:15 PM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Route 3A Fence Station 2	5/14/2019	B. Mendiola	N/A	Waxing Gibbous	50%	0	1	81	4:47 AM	6:50 AM	N/A	N	No bats observed. 1 bittern.	
J-001B: U&SI / Finegayan	Route 3A Fence Station 1	5/14/2019	A. Loerzel	N/A	Waxing Gibbous	25%	0	0	78	4:51 AM	6:51 AM	N/A	N	No bats observed. Heard geckos, chickens, green house frogs. Saw doves.	
J-001B: U&SI / Finegayan	Route 3A Fence Station 4	5/14/2019	S. Foster	N/A	Waxing Gibbous	100%	0	2	77	5:00 AM	7:00 AM	N/A	N	No bats observed. Saw 2 doves. Sprinkle at the beginning of observation (5-10 min.)	
J-001B: U&SI / Finegayan	Route 3A Fence Station 3	5/14/2019	C. Quinata	N/A	Waxing Gibbous	25%	0	2	78	5:05 AM	7:05 AM	N/A	N	No bats observed. Saw one yellow bittern, one francolin, and 2 chickens.	
J-001B: U&SI / Finegayan	Route 3A Fence Station 7	7/24/2019	J. Salas	N/A	Waning Gibbous	100%	2	2	78	5:06 PM	7:08 PM	N/A	N	No bats observed. Yellow bittern flew norht across survey area.	
J-001B: U&SI / Finegayan	Route 3A Fence Station 6	7/24/2019	S. Tareyama	N/A	Waning Gibbous	100%	2	2	78	5:08 PM	7:10 PM	N/A	N	No bats observed.	

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J-001B: U&SI / Finegayan	Route 3A Fence Station 5	7/24/2019	S. Foster	N/A	Waning Gibbous	100%	0	2	79	5:20 PM	7:10 PM	N/A	N	No bats observed. One deer.	
J-001B: U&SI / Finegayan	Route 3A Fence Station 5	7/25/2019	S. Foster	N/A	Waning Gibbous	40%	0	0	81	5:00 AM	7:00 AM	N/A	N	No bats observed. 2 dogs.	
J-001B: U&SI / Finegayan	Route 3A Fence Station 7	7/25/2019	J. Salas	N/A	Waning Gibbous	75%	1	0	78	5:01 AM	6:56 AM	N/A	N	No bats observed. Ended because machinery passing through.	
J-001B: U&SI / Finegayan	Route 3A Fence Station 6	7/25/2019	B. Antolin	N/A	Waning Gibbous	50%	1	0	78	5:10 AM	7:10 AM	N/A	N	No bats observed. 1 Philippine dove.	
J-001B: U&SI / Finegayan	Route 3A Commerical Gate	9/23/2019	J. Salas	N/A	Waning Crescent	50%	2	0	82	5:00 PM	7:00 PM	N/A	N	No bats observed. 1723 dog walks along Route 3a.	
J-001B: U&SI / Finegayan	Route 3A Commerical Gate	9/24/2019	J. Salas	N/A	Waning Crescent	100%	4	1	75	5:05 AM	7:05 AM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	J001B Rt. 3 Station 2	9/30/2019	S. Tareyama	N/A	Waxing Crescent	50%	2	0	82	5:00 PM	7:00 PM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	J001B Rt. 3 Station 1	9/30/2019	S. Foster	N/A	Waxing Crescent	25%	0	0	81	5:08 PM	7:18 PM	N/A	N	No bats observed. Lightning before 7pm.	
J-001B: U&SI / Finegayan	J001B Rt. 3 Station 2	10/1/2019	A. Loerzel	N/A	Waxing Crescent	30%	0	0	77	4:55 AM	6:55 AM	N/A	N	No bats observed. 12 birds (doves, plovers, and stilts)	
J-001B: U&SI / Finegayan	J001B Rt. 3 Station 1	10/1/2019	J. Salas	N/A	Waxing Crescent	25%	2	0	78	5:00 AM	7:00 AM	N/A	N	No bats observed. 0606 feral dog crosses, 0615 pigeon on powerline, 0626 3 puppies and 2 dogs, 0657 pigeon flies across street heading east.	
J-001B: U&SI / Finegayan	Route 3 Desilting Basin Station 1	10/16/2019	J. Salas	N/A	Waning Gibbous	50%	1	0	84	4:52 PM	6:52 PM	N/A	N	No bats observed. 1852 lighting from southeast from survey area.	
J-001B: U&SI / Finegayan	Perimeter Fence Station 2	10/16/2019	S. Tareyama	N/A	Waning Gibbous	25%	2	0	86	4:53 PM	6:53 PM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Perimeter Fence Station 1	10/16/2019	S. Foster	N/A	Waning Gibbous	0%	0	0	84	5:00 PM	7:00 PM	N/A	N	No bats observed. 2 doves, 2 dogs.	
J-001B: U&SI / Finegayan	Perimeter Fence Station 2	10/17/2019	S. Tareyama	N/A	Waning Gibbous	25%	0	0	76	4:50 AM	6:55 AM	N/A	N	No bats observed.	

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J-001B: U&SI / Finegayan	Perimeter Fence Station 1	10/17/2019	S. Foster	N/A	Waning Gibbous	25%	0	0	81	4:58 AM	6:58 AM	N/A	N	No bats observed.	
J-001B: U&SI / Finegayan	Route 3 Desilting Basin Station 1	10/17/2019	J. Salas	N/A	Waning Gibbous	82%	0	0	81	4:58 AM	6:58 AM	N/A	N	No bats observed. 0510 dog lays in front of survey point for 1.5 hours. 0522 cyclist drives by survey point.	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 19	10/23/2019	S. Foster	N/A	Waxing Crescent	100%	2	0	84	5:00 PM	7:00 PM	N/A	N	No bats observed. 1 Deer, 1 male wild pig	
J-001B: U&SI / Finegayan	Forest Enhancement Fence Station 19	10/24/2019	S. Foster	N/A	Waxing Crescent	25%	1	0	79	5:14 AM	7:14 AM	N/A	N	No bats observed. 6 Deers, 2 Pair of Francolin	
P-102: Power Upgrades / Harmon	P102 (Survey Station 1: Survey Area 1)	3/28/2018	Joshua Salas	N/A	Waxing Gibbous	75%	3	0	82	5:00 PM	7:15 PM	N/A	N	Bearing range observed (30-330), no bats seen, Wien surveyed	
P-102: Power Upgrades / Harmon	P102 (Along Route 3 looking W between 220° and 260°)	3/28/2018	Wien Winner	N/A	Waxing Gibbous	75%	3	0	82	5:00 PM	7:15 PM	N/A	N	Josh surveyed, no bats obsereved	
P-102: Power Upgrades / Harmon	P102 (station 1, point 2)	3/29/2018	Christina Quinata	N/A	Waning Gibbous	25%	4	0	79	5:20 AM	7:20 AM	N/A	N	No bats observed during survey. Smoke from fire smelled during survey.	
P-102: Power Upgrades / Harmon	P102 (Station 1, point 1)	3/29/2018	Lauren Gutierrez	N/A	Waning Gibbous	75%	2 to 3	0	79	5:20 AM	7:20 AM	N/A	N	Vitex dominant canopy, SPP observed flocks whimbrels 8-10 ea, Eurasian sparrow, dog, smoke from unseen fire smelled during survey (entire)	
P-102: Power Upgrades / Harmon	P102 (Survey Area 2, Station 2)	5/3/2018	Wien Winner	N/A	Waning Gibbous	40%	2	0	84	5:20 PM	7:20 PM	N/A	N	No bats observed, Josh surveyed	
P-102: Power Upgrades / Harmon	P102 (Survey Area 2, Station 1)	5/3/2018	Joshua Salas	N/A	Waning Gibbous	50%	2	0	82	5:20 PM	7:20 PM	N/A	N	No bats see. Tree sparrows, dogs barking, WW surveyed	
P-102: Power Upgrades / Harmon	P102 (Survey Area 2, Station 1)	5/4/2018	Joshua Salas	N/A	Waning Gibbous	0%	1	2	77	5:15 AM	7:15 AM	N/A	N	No bats seen, Tree sparrow, PI dove, light drizzle, WW surveyed	
P-102: Power Upgrades / Harmon	P102 (Survey Area 2, Station 2)	5/4/2018	Wien Winner	N/A	Waning Gibbous	40%	1	2	76	5:15 AM	7:15 AM	N/A	N	No bats observed, Josh surveyed	
P-102: Power Upgrades / Harmon	P102 (Station 11, looking E-N)	8/7/2018	Wien Winner	N/A	Waning Crescent	75%	0	0	86	5:06 PM	7:16 PM	N/A	N	No bats observed	
P-102: Power Upgrades / Harmon	P102 (Station 11, looking E-S)	8/7/2018	Kathleen Plaza	N/A	Waning Crescent	100%	1	0	84	5:06 PM	7:06 PM	N/A	N	A few (4-6) drongos flying, 2 PI doves, bo bats observed. Win observed	

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P-102: Power Upgrades / Harmon	P102 (Station 11, looking E-S)	8/8/2018	Christina Quinata	N/A	Waning Crescent	100%	0	0	78	5:20 AM	7:20 AM	N/A	N	Yellow bitterns (2), Drangos (2), Eurrasian sparrow (2) NO BATS OBSERVED	
P-102: Power Upgrades / Harmon	P102 (Station 11, looking E-N)	8/8/2018	Wien Winner	N/A	Waning Crescent	100%	0	0	78	5:20 AM	7:20 AM	N/A	N	No bats observed. Saw 2 PI dove.	
P-102: Power Upgrades / Harmon	P102 Station 6 looking N-W	8/15/2018	Joshua Salas	N/A	Waxing Crescent	75%	3	2	80	5:00 PM	7:00 PM	N/A	N	Bird flew neardby survey station; PI dove flew across station. Feral chickens crossed the survey area; 2 drongos flew across survey area; bittern flew across survey area. NO BATS SEEN!	
P-102: Power Upgrades / Harmon	P102 Surey Station 6 looking from W-N	8/15/2018	Wien Winner	N/A	Waxing Crescent	90%	3	2	82	5:00 PM	7:00 PM	N/A	N	No bats observed.	
P-102: Power Upgrades / Harmon	P102 Survey Station 6 looking N- W	8/16/2018	Kathleen Plaza	N/A	Waxing Crescent	100%	0	3	77	5:17 AM	7:17 AM	N/A	N	No bats observed. Heard roosters. Cars started frequenting at 0550h	
P-102: Power Upgrades / Harmon	P102 Station 6 looking W-N	8/16/2018	Joshua Salas	N/A	Waxing Crescent	100%	14	3	77	5:17 AM	7:17 AM	N/A	N	Dogs barking in th edistance. No bats observed	
P-102: Power Upgrades / Harmon	P102 MH 44 - 47	9/14/2018	Christina Quinata	N/A	Waxing Gibbous	50%	0	0	83	4:36 PM	6:40 PM	N/A	N	CQ, Helicopters overheard @ 1638, helicopters @ 1823, 3 yellow bitterns, 1 drongo, 11 PI dove, no bats observed	
P-102: Power Upgrades / Harmon	P102 MH 44 looking toward MH 47	9/17/2018	Wien Winner	N/A	Waxing Gibbous	75%	1	0	78	5:10 AM	7:10 AM	N/A	N	No bats observed , Josh surveyed	
P-102: Power Upgrades / Harmon	P102 MH 48- 44 (looking from 44-48)	9/17/2018	Joshua Salas	N/A	Waxing Gibbous	50%	1	0	87	5:15 AM	7:15 AM	N/A	N	No fruit bats seen	
P-102: Power Upgrades / Harmon	P102 MH 48 <-- 51	9/20/2018	Kathleen Plaza	N/A	Waxing Gibbous	100%	2	3	82	4:14 PM	6:14 PM	N/A	N	No Bats observed. Several bittern and drongos observed flying from the opposite forest through the road. Planes, Jets observed flying towards AAFB	
P-102: Power Upgrades / Harmon	P102 MH 48--> 51	9/20/2018	Joshua Salas	N/A	Waxing Gibbous	100%	4	2	84	4:15 PM	6:15 PM	N/A	N	Helecopter flew over survey area, plane flew over survey area, jets flew over survey area, black drongo, bomber flew over area. No bats seen	
P-102: Power Upgrades / Harmon	P102 MH 48 <-- 51	9/21/2018	Kathleen Plaza	N/A	Waxing Gibbous	100%	2	2	75	5:08 AM	7:08 AM	N/A	N	No Bats observed. Win observed. Approx. 16 drongos and 2 bitterns observed flying from p 102 project footprint to the otherside of the forest across the road	
P-102: Power Upgrades / Harmon	P102 MH 48--> 51	9/21/2018	Wien Winner	N/A	Waxing Gibbous	100%	2	3	78	5:10 AM	7:10 AM	N/A	N	No Bats observed. Kat observed	
P-102: Power Upgrades / Harmon	P102 Anderson front gate -- >MH 53	10/1/2018	Wien Winner	N/A	Waning Gibbous	75%	1	0	85	4:30 PM	6:30 PM	N/A	N	No Bats observed. Kat observed	

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P-102: Power Upgrades / Harmon	P102 MH 53- Anderson front gate	10/1/2018	Kathleen Plaza	N/A	Waning Gibbous	100%	1	1	80	4:30 PM	6:30 PM	N/A	N	4 Drongos, 4 jets & 1 plane flying over survey area, NO BATS OBSERVED. Wien surveyed	
P-102: Power Upgrades / Harmon	P102 Anderson front gate -- >MH 53	10/2/2018	J. Salas, B. Mendiola	N/A	Waning Gibbous	25%	0	0	75	5:25 AM	7:25 AM	N/A	N	bittern spotted flying x 2, drongo x2, F. collard dove x1. NO BATS SEEN.	
P-102: Power Upgrades / Harmon	P102 MH 53- Anderson front gate	10/2/2018	Kathleen Plaza	N/A	Waning Gibbous	50%	0	0	78	5:28 AM	7:28 AM	N/A	N	2 bittern,3 drongos. NO BATS OBSERVED. Joshua and Tina observed	
P-102: Power Upgrades / Harmon	P102 MH 53- 56	10/3/2018	Wien Winner	N/A	Waning Crescent	50%	1	0	85	4:45 PM	6:45 PM	N/A	N	Plane flwe by, helicopter flewby, saw 1 bittern. No bats observed	
P-102: Power Upgrades / Harmon	P102 MH 53-56	10/4/2018	Kathleen Plaza	N/A	Waning Gibbous	100%	3	2	79	5:25 AM	7:25 AM	N/A	N	No bats observed; 3 bitterns, 2 drongos, 3 PI doves observed	
P-102: Power Upgrades / Harmon	P102 MH 39-42	10/29/2018	Christina Quinata	N/A	Waning Gibbous	25%	1	0	87	4:24 PM	6:24 PM	N/A	N	Plane observed 1653. NO BATS OBSERVED	
P-102: Power Upgrades / Harmon	P102 MH 44-43	10/29/2018	B. Mendiola, K. Plaza	N/A	Waning Gibbous	25%	2	0	84	4:25 PM	6:25 PM	N/A	N	No bats present; 7 drongos, 1 jet passing through	
P-102: Power Upgrades / Harmon	P102 MH 42-43	10/29/2018	Wien Winner	N/A	Waxing Gibbous	50%	1	0	85	4:30 PM	6:30 PM	N/A	N	No bats observed	
P-102: Power Upgrades / Harmon	P102 MH 39-42	10/30/2018	Joshua Salas	N/A	Waning Gibbous	100%	2	3	79	4:59 AM	7:00 AM	N/A	N	No fruit bats observed, multiple cars passed along rout 11	
P-102: Power Upgrades / Harmon	P102 MH 42-43	10/30/2018	Wien Winner	N/A	Waxing Gibbous	75%	0	4	79	5:10 AM	7:10 AM	N/A	N	No bats observed	
P-102: Power Upgrades / Harmon	P102 MH 44-43	10/30/2018	B. Mendiola, K. Plaza	N/A	Waning Gibbous	75%	1	3	78	5:18 AM	7:18 AM	N/A	N	No bats present; 3 drongos, 2 PI doves observe	
P-102: Power Upgrades / Harmon	P102 MH 38-37 (pt. 2 MH 38-37)	11/8/2018	Joshua Salas	N/A	New Moon	100%	4	0	82	4:05 PM	6:05 PM	N/A	N	No bats seen, Navy cavs passing through	
P-102: Power Upgrades / Harmon	P102 MH 36-39 (Pt 1 MH 36- 37)	11/8/2018	Wien Winner	N/A	Waxing Crescent	100%	1	0	83	4:07 PM	6:07 PM	N/A	N	No bats observed, Josh surveyed, Kat surveyed	
P-102: Power Upgrades / Harmon	P102 MH 36-39 (Pt. 3, MH 39-38)	11/8/2018	K. Plaza, B. Mendiola	N/A	New Moon	100%	3	0	82	4:08 PM	6:08 PM	N/A	N	No bats observed; 2 PI doves, 1 drongo, 2 bitterns obseved	

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P-102: Power Upgrades / Harmon	P102 MH 36- 39 (Pt. 1, MH 36-37)	11/9/2018	Wien Winner	N/A	Waxing Crescent	75%	1	0	79	5:05 AM	7:05 AM	N/A	N	No bats observed, Josh surveyed, Kat surveyed	
P-102: Power Upgrades / Harmon	P102 MH 36-39 (Pt 2, MH 38-39)	11/9/2018	Joshua Salas	N/A	New Moon	0%	2	0	77	5:10 AM	7:03 AM	N/A	N	No bats seen	
P-102: Power Upgrades / Harmon	P102 MH 36-39 (Pt. 3, MH 39-38)	11/9/2018	K. Plaza, B. Mendiola	N/A	Waxing Crescent	75%	1	0	77	5:25 AM	7:25 AM	N/A	N	No bats observed; 1 PI doves, 2 drongo, 3 plovers, 1 bittern observed	
P-102: Power Upgrades / Harmon	P102 MH 16-17 (Pt.1 MH 15)	2/26/2019	Sheeka Tareyama	N/A	Waning Gibbous	50%	0	0	85	4:47 PM	6:47 PM	N/A	N	No Fruit Bats Observed.	
P-102: Power Upgrades / Harmon	P102 MH 16-17 (Pt.2MH 17)	2/26/2019	Wien Winner	N/A	Waning Gibbous	50%	2	0	83	4:47 PM	6:47 PM	N/A	N	No Fruit Bats Observed.	
P-102: Power Upgrades / Harmon	P102 MH 16-17 (Pt.2MH 17)	2/27/2019	Wien Winner	N/A	Waning Gibbous	25%	1	0	78	5:11 AM	7:15 AM	N/A	N	No Fruit Bats Observed.	
P-102: Power Upgrades / Harmon	P102 MH 16-17 (Pt.1 MH 15)	2/27/2019	Sheeka Tareyama	N/A	Waning Gibbous	50%	0	0	75	5:11 AM	7:15 AM	N/A	N	No Fruit Bats Observed.	
P-103: Water Wells AAFB	Test Well 1	1/23/2019	Wien Winner	N/A	Waning Gibbous	50%	2	0	82	4:55 PM	6:55 PM	0	N	No Fruit Bats Observed.	
P-103: Water Wells AAFB	Test Well 1	1/23/2019	Bertina Mendiola	N/A	Waning Gibbous	75%	3	0	82	4:55 PM	6:55 PM	0	N	1 pig crossing into project boundary. No Fruit Bats Observed	
P-103: Water Wells AAFB	Test Well 1	1/24/2019	Wien Winner	N/A	Waning Gibbous	25%	1	0	78	5:40 AM	6:30 AM	0	N	No Fruit Bats Observed.	
P-103: Water Wells AAFB	Test Well 1	1/24/2019	Bertina Mendiola	N/A	Waning Gibbous	50%	1	0	76	5:45 AM	7:45 AM	0	N	No Fruit Bats Observed.	
P-103: Water Wells AAFB	Bat Reconn Test Well 2, Transect 1	1/29/2019	ChristianaJo Quinata & Katherine Brunsen	N/A	Waning Crescent	100%	3	0		7:02 AM	7:45 AM	0	Y	No Bats observed in project footprint. Bats observed at 0620-0625- 3 bats flying over route 3A, Direction NW into HMU (1 bat) and North of HMU (2 bats)	
P-103: Water Wells AAFB	Bat Reconn Test Well 2, Transect 2	1/29/2019	Bertina Mendiola	N/A	Waning Crescent	100%	3	0	75	7:02 AM	7:45 AM	0	N	No Fruit Bats observed in project footprint. Bearing walking in: 62 deg. NE; Bearing walking out: 243 deg SW	
P-103: Water Wells AAFB	Bat Reconn Test Well 2, Transect 3	1/29/2019	Wien Winner	N/A	Waning Crescent	75%	3	0	76	7:02 AM	7:45 AM	0	Y	Bat observed on the way to TW2 along RTE 3A next to cistern.	

MARIANAS FRUIT BAT SURVEYS

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
P-103: Water Wells AAFB	Test Well 2	2/19/2019	Sheeka Tareyama	N/A	Waning Gibbous	95%	5	0	81	5:16 PM	6:45 PM	0	N	Hear geckos and frog calling	
P-103: Water Wells AAFB	Test Well 2	2/19/2019	Bertina Mendiola	N/A	Waning Gibbous	95%	4	0	81	5:16 PM	6:45 PM	0	N	No Fruit Bats Observed.	
P-103: Water Wells AAFB	Test Well 2	2/20/2019	Wien Winner	N/A	Waning Gibbous	100%	3	3	76	5:31 AM	7:31 AM	0	Y	One bat flew from HMU area east toward TW2 at 0623. Same bat that Sheeka saw	
P-103: Water Wells AAFB	Test Well 2	2/20/2019	Sheeka Tareyama	N/A	Waning Gibbous	95%	5	3	75	5:31 AM	7:29 AM	0	Y	0623-one bat flying from HMU, east toward TW2. Same bat that Wien saw	
P250/P260: AAFB North Ramp	Station 1	6/20/2019	S. Foster	N/A	Waxing Gibbous	100%	2	2	82	12:00 AM	12:00 AM	N/A	N	No bats observed. Around 1800 heavy rain (continued for 30 minutes).	
P250/P260: AAFB North Ramp	Station 2	6/20/2019	S. Tareyama	N/A	Waning Gibbous	90%	2	4	82	12:00 AM	12:00 AM	N/A	N	No bats observed.	
P250/P260: AAFB North Ramp	Station 1	6/21/2019	A. Loerzel	N/A	Waning Gibbous	80%	2	0	80	12:00 AM	12:00 AM	N/A	N	No bats observed. Saw many yellow bitterns and sparrows, Philippine dove. 0614 light rain. Heard chickens, yellow bittern, Sali, drongo, sparrows, francolins.	
P250/P260: AAFB North Ramp	Station 2	6/21/2019	S. Tareyama	N/A	Waning Gibbous	90%	2	0	79	12:00 AM	12:00 AM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 1 station 3	9/5/2018	C. Quinata	N/A	Waxing Crescent	100%	0	0	78	5:26 PM	7:06 PM	N/A	N	Helicopter flew by around 1730. No bats observed. Saw 4 yellow bittern	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 1 station 1	9/5/2018	W. Winner	N/A	Waxing Crescent	100%	0	0	83	5:28 PM	7:12 PM	N/A	N	Helicopter flew by. No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 1 station 2	9/5/2018	K. Plaza	N/A	Waxing Crescent	100%	0	0	83	5:28 PM	7:28 PM	N/A	N		
P-715: LFTRC / Northwest Field	RTE. 3A Phase 1 station 1	9/6/2018	M. Ibanez	N/A	Waxing Crescent	75%	0	0	78	5:10 AM	7:10 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 1 station 3	9/6/2018	W. Winner	N/A	Waxing Crescent	75%	0	0	78	5:10 AM	7:10 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 1 station 2	9/6/2018	K. Plaza	N/A	Waxing Crescent	75%	0	0	78	5:23 AM	7:10 AM	N/A	N	Saw 2 birds. No bats observed.	

MARIANAS FRUIT BAT SURVEYS

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
P-715: LFTRC / Northwest Field	RTE. 3A Phase 2 station 1	9/6/2018	J. Salas	N/A	Waxing Crescent	75%	1	2	80	5:10 PM	7:07 PM	N/A	N	Helicopter flew near survey area, multiple cars passing by survey area, no bats observered	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 2 station 2	9/6/2018	C. Quinata	N/A	Waxing Crescent	75%	1	0	80	5:10 PM	7:10 PM	N/A	N		
P-715: LFTRC / Northwest Field	RTE. 3A Phase 2 station 2	9/7/2018	J. Salas	N/A	Waxing Crescent	25%	1	0	78	5:27 AM	5:24 AM	N/A	N	Yellow bittern flew over survey area, 1 PI dove	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 2 station 1	9/7/2018	M. Mazurek	N/A	Waxing Crescent	25%	0	0	78	5:30 AM	7:24 AM	N/A	N	Saw 4 dove, 2 flocks sparrow (7 each)	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 3 and 4 station 1	10/10/2018	J. Salas	N/A	Waning Crescent	75%	3	2	82	4:20 PM	6:21 PM	N/A	N	No bats seen	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 3 and 4 station 2	10/10/2018	C. Quinata	N/A	Waning Crescent	75%	3	0	85	4:20 PM	6:20 PM	N/A	N	No bats observed during survey	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 3 and 4 station 3	10/10/2018	K. Plaza/B. Mendiola	N/A	Waning Crescent	50%	3	0	85	4:21 PM	6:21 PM	N/A	N	Observed birds flying into site. No fruit bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 3 and 4 station 4	10/10/2018	W. Winner	N/A	Waning Crescent	75%	2	2	84	4:21 PM	6:22 PM	N/A	N	Saw 2 PI dove, saw 2 bittern, no bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 3 and 4 station 3	10/11/2018	K. Plaza/B. Mendiola	N/A	Waning Crescent	75%	0	0	81	5:17 AM	7:17 AM	N/A	N	2 yellow bitterns, 2 doves, no bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 3 and 4 station 1	10/11/2018	J. Salas	N/A	Waning Crescent	75%	3	0	80	5:20 AM	7:20 AM	N/A	N	yellow bittern calls; multiple cars passess, no bats seen	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 3 and 4 station 4	10/11/2018	W. Winner	N/A	Waning Crescent	75%	1	0	80	5:20 AM	7:20 AM	N/A	N	no bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 3 and 4 station 2	10/11/2018	C. Quinata	N/A	Waning Crescent	75%	3	0	81	5:24 AM	7:24 AM	N/A	N	2 yellow bittern, no bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 5 and6 station 1	11/13/2018	K. Plaza/B. Mendiola	N/A	Waxing Crescent	0%	1	0	84	4:00 PM	6:00 PM	N/A	N	No bats observed/ No birds observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 5 and6 station 2	11/13/2018	W. Winner	N/A	Waxing Crescent	25%	2	0	84	4:00 PM	6:00 PM	N/A	N	No bats observed/ No birds observed	

MARIANAS FRUIT BAT SURVEYS

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
P-715: LFTRC / Northwest Field	RTE. 3A Phase 5 and6 station 2	11/14/2018	W. Winner	N/A	Waxing Crescent	25%	1	0	79	5:20 AM	7:20 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 5 and6 station 1	11/14/2018	K. Plaza/B. Mendiola	N/A	Waxing Crescent	75%	1	0	78	5:20 AM	7:20 AM	N/A	N	2 Bitterns, No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 5 and6 station 3	11/15/2018	K. Plaza/B. Mendiola	N/A	Waxing Crescent	75%	1	0	82	4:18 PM	6:18 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 5 and6 station 4	11/15/2018	W. Winner	N/A	Waxing Crescent	75%	1	2	84	4:20 PM	6:20 PM	N/A	N	1 bittern, No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 5 and6 station 4	11/16/2018	W. Winner	N/A	Waxing Crescent	75%	2	0	80	5:10 AM	7:10 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 5 and6 station 3	11/16/2018	K. Plaza	N/A	Waxing Crescent	100%	2	0	81	5:21 AM	7:21 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 5 and6 station 5	11/19/2018	B. Mendiola	N/A	Waxing Gibbous	25%	3	0	85	3:59 PM	5:59 PM	N/A	N	2 birds, no bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 5 and6 station 6	11/19/2018	W. Winner	N/A	Waxing Gibbous	25%	1	0	85	4:00 PM	6:00 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 5 and6 station 6	11/20/2018	W. Winner	N/A	Waxing Gibbous	25%	1	0	79	5:15 AM	7:15 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 5 and6 station 5	11/20/2018	K. Plaza	N/A	Waxing Gibbous	50%	2	0	78	5:30 AM	7:30 AM	N/A	N	3 plovers, no bats observed	
P-715: LFTRC / Northwest Field	Wash Bay Area	12/11/2018	W. Winner	N/A	Waxing Crescent	50%	2	0	85	4:10 PM	6:10 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Wash Bay Area	12/12/2018	W. Winner	N/A	Waxing Crescent	25%	1	0	80	5:15 AM	7:15 AM	N/A	N	Saw 1 bittern, no bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 7 to 9 station 1	12/13/2018	K. Plaza	N/A	Waxing Crescent	100%	1	0	83	4:24 PM	6:24 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 7 to 9 station 3	12/13/2018	W. Winner	N/A	Waxing Crescent	75%	2	0	83	4:30 PM	6:30 PM	N/A	N	No bats observed	

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
P-715: LFTRC / Northwest Field	RTE. 3A Phase 7 to 9 station 2	12/13/2018	B. Mendiola	N/A	Waxing Crescent	75%	3	0	82	4:31 PM	6:31 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 7 to 9 station 3	12/14/2018	W. Winner	N/A	Waxing Crescent	75%	1	0	78	5:20 AM	7:20 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 7 to 9 station 1	12/14/2018	K. Plaza	N/A	Waxing Crescent	100%	1	0	84	5:22 AM	7:22 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 7 to 9 station 2	12/14/2018	B. Mendiola	N/A	Waxing Crescent	75%	1	0	75	5:40 AM	7:40 AM	N/A	N	1 plover, no bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 7 to 9 station 4	12/17/2018	K. Plaza	N/A	Waxing Gibbous	75%	3	2	82	4:10 PM	6:10 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 7 to 9 station 6	12/17/2018	W. Winner	N/A	Waxing Gibbous	100%	2	2	80	4:15 PM	6:15 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 7 to 9 station 5	12/17/2018	B. Mendiola	N/A	Waxing Gibbous	100%	4	2	81	4:19 PM	6:19 PM	N/A	N	1 PI dove, 1 unknown bird, 2 drongos, no bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 7 to 9 station 6	12/18/2018	W. Winner	N/A	Waxing Gibbous	25%	1	0	81	5:15 AM	7:15 AM	N/A	N	2 Bitterns, No bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 7 to 9 station 4	12/18/2018	K. Plaza	N/A	Waxing Gibbous	75%	2	0	80	5:37 AM	7:37 AM	N/A	N	3 PI dove, no bats observed	
P-715: LFTRC / Northwest Field	RTE. 3A Phase 7 to 9 station 5	12/18/2018	B. Mendiola	N/A	Waxing Gibbous	75%	4	0	80	5:50 AM	7:50 AM	N/A	N	1 unknown bird, 2 PI dove, 4 drongos, no bats observec	
P-715: LFTRC / Northwest Field	Boring 10-13 station 2	3/4/2019	W. Winner	N/A	Waning Crescent	0%	1	0	84	5:00 PM	7:00 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Boring 10-13 station 1	3/4/2019	B. Mendiola/P. Foster	N/A	Waning Crescent	25%	1	0	82	5:00 PM	7:00 PM	N/A	N	Loud banging, 1-deer ran into car, 1-dog spotted, no fruit bat observed	
P-715: LFTRC / Northwest Field	Boring 10-13 station 2	3/5/2019	W. Winner	N/A	Waning Crescent	25%	1	0	72	5:54 AM	7:54 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Boring 10-13 station 1	3/5/2019	B. Mendiola/P. Foster	N/A	Waning Crescent	75%	1	0	72	5:54 AM	7:54 AM	N/A	N	1-deer observed, no bats observed	

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Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 1	3/14/2019	S. Tareyama	N/A	Waxing Crescent	85%	2	0	89	4:55 PM	7:01 PM	N/A	N	1728 person on ATV passes by station, again at 1731, 1737, 1751, mule w/ 4 people passes by 1756. No bats observed.	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 2	3/14/2019	C. Quinata	N/A	Waxing Crescent	50%	6	0	89	5:01 PM	7:01 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 4	3/14/2019	W. Winner	N/A	Waxing Crescent	50%	4	0	83	5:01 PM	7:01 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 3	3/14/2019	B. Mendiola	N/A	Waxing Crescent	75%	4	0	83	5:06 PM	7:06 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 2	3/15/2019	C. Quinata	N/A	Waxing Crescent	100%	6	0	78	5:44 AM	7:44 AM	N/A	N	barking deer, 3 bittern flying, no bats observed	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 1	3/15/2019	L. Gutierrez	N/A	Waxing Crescent	90%	6	0	78	5:45 AM	7:45 AM	N/A	N	Observed 1 bittern, 2 pigs, 2 deers	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 3	3/15/2019	B. Mendiola	N/A	Waxing Crescent	100%	1	0	76	5:45 AM	7:45 AM	N/A	N	barking deer, no bats observed	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 4	3/15/2019	W. Winner	N/A	Waxing Crescent	100%	3	0	78	5:45 AM	7:45 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 5	3/18/2019	S. Tareyama	N/A	Waxing Gibbous	40%	2	0	87	4:49 PM	6:50 PM	N/A	N	geckos calling, no bats observed, deer barking coming from east	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 6	3/18/2019	C. Quinata	N/A	Waxing Gibbous	82%	3	0	82	4:52 PM	6:52 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 7	3/18/2019	W. Winner	N/A	Waxing Gibbous	500%	1	0	83	5:52 PM	7:52 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 6	3/19/2019	C. Quinata	N/A	Waxing Gibbous	25%	3	0	78	5:42 AM	7:42 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 7	3/19/2019	W. Winner	N/A	Waxing Gibbous	25%	2	0	78	5:42 AM	7:42 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 5	3/19/2019	S. Tareyama	N/A	Waxing Gibbous	85%	2	0	84	5:42 AM	7:44 AM	N/A	N	2 unknown birds flew over, no bats observed	

MARIANAS FRUIT BAT SURVEYS

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
P-715: LFTRC / Northwest Field	Zone 2Pistol Range station 2	3/20/2019	W. Winner	N/A	Waxing Gibbous	1000%	2	0	83	4:45 PM	6:45 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 2Pistol Range station 1	3/20/2019	S. Tareyama	N/A	Waxing Gibbous	50%	2	0	88	4:45 PM	6:45 PM	N/A	N	Francolin calling; Few swallow tail butterflies; deer calling; No bats observed	
P-715: LFTRC / Northwest Field	Zone 2Pistol Range station 4	3/21/2019	W. Winner	N/A	Waxing Gibbous	25%	2	0	77	5:30 AM	7:30 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 2Pistol Range station 3	3/21/2019	S. Tareyama/P. Foster	N/A	Waxing Gibbous	70%	1	0	77	5:30 AM	7:30 AM	N/A	N	one francolin; no bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 1	3/27/2019	B. Mendiola	N/A	Waxing Gibbous	1000%	4	0	82	4:52 PM	6:52 PM	N/A	N	1-Pig, 1-Dove, 1-Barking Deer, No bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 4	3/27/2019	W. Winner	N/A	Waxing Gibbous	1000%	3	0	83	4:52 PM	6:52 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 2	3/27/2019	L. Gutierrez	N/A	Waxing Gibbous	30%	4	0	82	4:52 PM	6:52 PM	N/A	N	observed swallow tail butterflies, 2-Bittern; Heard: Francolin,Rooster, Deer; No bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 3	3/27/2019	S. Tareyama	N/A	Waxing Gibbous	80%	1	0	83	4:52 PM	6:52 PM	N/A	N	1-large male deer, deer barking; not bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 2	3/28/2019	L. Gutierrez	N/A	Waxing Gibbous	70%	4	0	76	5:32 AM	7:32 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 1	3/28/2019	B. Mendiola	N/A	Waxing Gibbous	1500%	5	0	76	5:33 AM	7:33 AM	N/A	N	1-Deer; 2-dogs; no bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 4	3/28/2019	W. Winner	N/A	Waxing Gibbous	25%	4	0	76	5:33 AM	7:33 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 3	3/28/2019	S. Tareyama	N/A	Waxing Gibbous	70%	1	0	77	5:33 AM	7:33 AM	N/A	N	2-plovers; 1-Francolin; 0705 KTR on site; 1-Bittern; no bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 9	4/4/2019	S. Tareyama	N/A	Waning Crescent	70%	3	0	84	4:47 PM	6:47 PM	N/A	N	8-francolins;4-plovers;2-female deer; deer barking; no bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 5	4/4/2019	W. Winner	N/A	Waning Crescent	90%	0	0	81	4:47 PM	6:47 PM	N/A	N	No bats observed	

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 7	4/4/2019	C. Quinata	N/A	Waning Crescent	100%	4	0	80	4:48 PM	6:48 PM	N/A	N	4-francolin;1-bittern;2-PI dove; no bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 6	4/4/2019	B. Mendiola	N/A	Waning Crescent	100%	5	0	79	4:54 PM	6:54 PM	N/A	N	1-pig; 5-deer; no bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 5	4/5/2019	W. Winner	N/A	Waning Crescent	100%	0	0	81	5:34 AM	7:34 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 8	4/5/2019	S. Tareyama	N/A	Waning Crescent	100%	3	0	76	5:34 AM	7:34 AM	N/A	N	Francolin calling; plovers calling; fog passes through station 9; No bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 7	4/5/2019	C. Quinata	N/A	Waning Crescent	80%	5	0	81	5:37 AM	7:37 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 6	4/5/2019	B. Mendiola	N/A	Waning Crescent	100%	5	0	78	5:41 AM	7:41 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 11	4/8/2019	S. Tareyama	N/A	Waxing Crescent	75%	1	0	88	4:57 PM	6:57 PM	N/A	N	No bats observed. Francolins calling, two plovers. After fruit bat survey (approx. 1915), ST one bat was observed flying over northwest field.	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 10	4/8/2019	B. Mendiola/P. Foster	N/A	Waxing Crescent	60%	1	0	83	5:00 PM	7:00 PM	N/A	N	No bats observed. Airplane passing. One bittern. After fruit bat survey, ST noted one bat was observed flying over northwest field.	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 8	4/8/2019	B. Antolin	N/A	Waxing Crescent	75%	2	0	83	5:00 PM	7:00 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 9	4/8/2019	C. Quinata	N/A	Waxing Crescent	75%	2	0	80	5:01 PM	7:01 PM	N/A	N	n/a	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 10	4/9/2019	B. Mendiola/P. Foster	N/A	Waxing Crescent	1500%	0	0	77	5:18 AM	7:22 AM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 11	4/9/2019	S. Tareyama	N/A	Waxing Crescent	30%	1	0	80	5:20 AM	7:20 AM	N/A	N	No bats observed. Francolins calling. 2 PI doves. 0700 Relyant on site head toward KDRR. 0705 IA Archaeology onsite. 3 plovers. 4 francolins flying	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 8	4/9/2019	A. Loerzel	N/A	Waxing Crescent	2000%	2	0	79	5:21 AM	7:21 AM	N/A	N	No bats observed. 1 large pig, many butterflies.	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 9	4/9/2019	C. Quinata	N/A	Waxing Crescent	25%	4	0	75	5:25 AM	7:25 AM	N/A	N	No bats observed. 2 francolins, chickens, 2 PI dove. 0723 contruction noise.	

MARIANAS FRUIT BAT SURVEYS

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 12	4/17/2019	C. Quinata	N/A	Waxing Gibbous	25%	3	0	80	5:09 PM	7:09 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 14	4/17/2019	W. Winner	N/A	Waxing Gibbous	1000%	3	0	83	5:15 PM	7:15 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 13	4/17/2019	L. Gutierrez	N/A	Waxing Gibbous	50%	3	0	80	5:15 PM	7:15 PM	N/A	N	1-swallow tail; 1-deer; heard deer, francolin, gecko	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 12	4/18/2019	C. Quinata	N/A	Waxing Gibbous	75%	4	0	78	5:28 AM	7:28 AM	N/A	N	No bats observed; spotted feral dog	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 14	4/18/2019	W. Winner	N/A	Waxing Gibbous	1500%	3	0	78	5:30 AM	7:30 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 1 Range Road sta. 13	4/18/2019	L. Gutierrez	N/A	Waxing Gibbous	80%	2	0	78	5:30 AM	7:30 AM	N/A	N	2-bittern; Turnstone plover, fawn, swallow tails, blue spot butterfly, heard francolon, deer, geckos, dog, pig; no bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 9	4/22/2019	A. Loerzel	N/A	Waning Gibbous	1500%	3	0	86	5:07 PM	7:07 PM	N/A	N	saw 2-francolin, 1-dog; heard 2-deer, francolin, geckos; No bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 11	4/22/2019	W. Winner	N/A	Waning Gibbous	1000%	2	0	85	5:11 PM	7:11 PM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 10	4/22/2019	B. Mendiola	N/A	Waning Gibbous	25%	3	0	84	5:14 PM	7:00 PM	N/A	N	3-deer, heard deer barking; no bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 9	4/23/2019	A. Loerzel	N/A	Waning Gibbous	95%	3	0	78	5:39 AM	7:39 AM	N/A	Y	saw bat after bat survey while walking out	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 11	4/23/2019	W. Winner	N/A	Waning Gibbous	25%	2	0	80	5:42 AM	7:42 AM	N/A	N	No bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 10	4/23/2019	B. Mendiola	N/A	Waning Gibbous	50%	1	0	78	5:42 AM	7:42 AM	N/A	N	1-dog, 1-francolin; heard deer barking, No fruit bats observed	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 12	4/23/2019	C. Quinata	N/A	Waning Crescent	90%	2	0	80	5:47 AM	7:47 AM	N/A	N	No bats observed. 4 deer observed.	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 13	4/23/2019	A. Loerzel	N/A	Waning Crescent	90%	2	0	80	5:47 AM	7:47 AM	N/A	N	No bats observed.	

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 14	4/23/2019	S. Tareyama	N/A	Waning Crescent	90%	2	0	79	5:47 AM	7:47 AM	N/A	N	No bats observed. Heard deer, green house frogs.	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 13	4/23/2019	S. Foster	N/A	Waning Crescent	98%	2	0	82	5:15 PM	5:10 PM	N/A	N	No bats observed. 1 deer.	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 12	4/23/2019	C. Quinata	N/A	Waning Crescent	100%	2	0	82	5:15 PM	7:15 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	Zone 3 KDRR Station 14	4/23/2019	S. Tareyama	N/A	Waning Crescent	100%	2	0	80	5:15 PM	7:15 PM	N/A	N	No bats observed. 1 plover.	
P-715: LFTRC / Northwest Field	Range Road Sation 17	5/8/2019	L. Gutierrez	N/A	Waxing Crescent	70%	2	0	82	5:00 PM	7:00 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	Range Road Sation 15	5/8/2019	S. Tareyama	N/A	Waxing Crescent	75%	1	0	82	5:00 PM	7:00 PM	N/A	N	No bats observed. Deer barking. Observed 5 deer. Hear starling calling	
P-715: LFTRC / Northwest Field	Range Road Sation 16	5/8/2019	A. Loerzel	N/A	Waxing Crescent	1500%	1	0	82	5:01 PM	7:01 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	Range Road Sation 15	5/9/2019	S. Tareyama	N/A	Waxing Crescent	25%	2	0	80	5:25 AM	7:25 AM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	Range Road Sation 16	5/9/2019	A. Loerzel	N/A	Waxing Crescent	40%	1	0	80	5:25 AM	7:25 AM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	Range Road Sation 17	5/9/2019	C. Quinata	N/A	Waxing Crescent	25%	3	0	80	5:34 AM	7:34 AM	N/A	N	No bats observed. Blue banded king butterfly. Starlings at 641.	
P-715: LFTRC / Northwest Field	MRFR Station 1	5/15/2019	S. Tareyama	N/A	Waxing Gibbous	75%	2	0	83	4:55 PM	6:55 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	MRFR Station 2	5/15/2019	S. Foster	N/A	Waxing Gibbous	75%	2	0	84	4:55 PM	6:55 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	MRFR Station 3	5/15/2019	B. Mendiola	N/A	Waxing Gibbous	25%	2	0	80	5:00 PM	7:00 PM	N/A	N	No bats observed. 1 deer barking.	
P-715: LFTRC / Northwest Field	MRFR Station 1	5/16/2019	S. Tareyama	N/A	Waxing Gibbous	100%	1	2	80	5:12 AM	7:12 AM	N/A	N	No bats observed.	

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
P-715: LFTRC / Northwest Field	MRFR Station 2	5/16/2019	C. Quinata	N/A	Waxing Gibbous	100%	1	1	80	5:12 AM	7:12 AM	N/A	N	No bats observed. Heard yellow bittern and francolins.	
P-715: LFTRC / Northwest Field	MRFR Station 3	5/16/2019	B. Mendiola	N/A	Waxing Gibbous	100%	0	2	80	5:13 AM	7:13 AM	N/A	N	No bats observed. Noted unidentifiable bird flying sourtheast from project footprint.	
P-715: LFTRC / Northwest Field	MRFR Station 4	5/20/2019	S. Tareyama	N/A	Waxing Gibbous	90%	1	0	83	5:15 PM	7:15 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	MRFR Station 5	5/20/2019	A. Loerzel	N/A	Waxing Gibbous	90%	1	0	84	5:15 PM	7:19 PM	N/A	N	No bats observed. Heard deer, geckos, green house frogs, dogs.	
P-715: LFTRC / Northwest Field	MRFR Station 6	5/20/2019	S. Foster	N/A	Waxing Gibbous	90%	1	0	82	5:19 PM	7:19 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	MRFR Station 5	5/21/2019	A. Loerzel	N/A	Waxing Gibbous	85%	1	0	79	5:15 AM	7:15 AM	N/A	N	No bats observed. Saw 1 yellow bittern. Heard deer, greenhouse frogs, yellow bittern, francolins.	
P-715: LFTRC / Northwest Field	MRFR Station 6	5/21/2019	S. Foster	N/A	Waxing Gibbous	85%	1	0	79	5:15 AM	7:15 AM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	MRFR Station 4	5/21/2019	S. Tareyama	N/A	Waxing Gibbous	90%	1	0	79	5:15 AM	7:15 AM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	Maintenance Building Station 1	6/3/2019	B. Mendiola	N/A	Waning Crescent	1500%	3	0	86	5:00 PM	7:00 PM	N/A	N	No bats observed. Observed 2 pigs, 1 dog.	
P-715: LFTRC / Northwest Field	Maintenance Building Station 2	6/3/2019	S. Tareyama	N/A	Waning Crescent	25%	2	0	86	5:02 PM	7:02 PM	N/A	N	No bats observed. Observed 6 deer, 2 pigs, 2 yellow bittern. Hear francolins, yellow bitterns, deer, and pig.	
P-715: LFTRC / Northwest Field	Maintenance Building Station 1	6/4/2019	A. Loerzel	N/A	Waxing Crescent	25%	3	0	82	5:02 AM	7:02 AM	N/A	N	No bats observed. Observed 1 yellow bittern, 1 dove, 4 deer, 1 pig, and 1 francolin.	
P-715: LFTRC / Northwest Field	Maintenance Building Station 2	6/4/2019	S. Tareyama	N/A	Waxing Crescent	25%	2	0	82	5:02 AM	7:08 AM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	NSSA Station 1	6/26/2019	B. Mendiola, A. Aflague	N/A	Waning Crescent	25%	2	0	86	5:15 AM	7:15 AM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	NSSA Station 1	6/26/2019	S. Foster	N/A	Waning Crescent	1500%	3	0	86	5:01 PM	7:10 PM	N/A	N	No bats observed. No boonie dog, no pig, no bat.	

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
P-715: LFTRC / Northwest Field	NSSA Station 2	6/27/2019	J. Salas	N/A	Waning Crescent	25%	2	0	80	5:15 AM	7:15 AM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	NSSA Station 2	6/27/2019	J. Salas	N/A	Waning Crescent	50%	5	0	80	5:08 PM	7:10 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	NSSA Station 3	7/8/2019	J. Salas, A. Aflague	N/A	Waning Crescent	75%	2	0	88	5:30 PM	7:30 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	NSSA Station 4	7/8/2019	S. Tareyama, A. Loerzel	N/A	Waning Crescent	75%	0	0	88	5:30 PM	7:30 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	NSSA Station 5	7/8/2019	B. Mendiola, S. Foster	N/A	Waning Crescent	75%	0	0	88	5:30 PM	7:30 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	NSSA Station 3	7/9/2019	J. Salas, A. Aflague	N/A	Waning Crescent	50%	2	0	80	5:15 AM	7:15 AM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	NSSA Station 5	7/9/2019	C. Quinata, S. Foster	N/A	Waning Crescent	50%	0	0	82	5:15 AM	7:15 AM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	NSSA Station 4	7/9/2019	S. Tareyama, A. Loerzel	N/A	Waning Crescent	75%	0	0	80	5:17 AM	7:17 AM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	Cycad FEA Station 1	9/9/2019	A. Loerzel	N/A	Waning Gibbous	100%	0	3	77	4:54 PM	6:54 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	Cycad FEA Station 2	9/9/2019	S. Foster	N/A	Waning Gibbous	100%	0	4	79	4:54 PM	6:54 PM	N/A	N	No bats observed. Heavy rain all 2 hours.	
P-715: LFTRC / Northwest Field	Cycad FEA Station 1	9/10/2019	A. Loerzel	N/A	Waning Gibbous	90%	1	0	79	5:00 AM	7:00 AM	N/A	N	No bats observed. Saw 3 doves, 1 pig. Heard pigs, deer, cat, yellow bittern, dogs, chickens.	
P-715: LFTRC / Northwest Field	Cycad FEA Station 2	9/10/2019	J. Salas	N/A	Waning Gibbous	75%	3	2	78	5:01 AM	7:01 AM	N/A	N	No bats observed. 0520 dogs barking, 0642 2 doves, 0650 2 doves.	
P-715: LFTRC / Northwest Field	Comm Line Station 4	10/22/2019	W. Winner	N/A	Waning Crescent	90%	0	0	82	5:07 PM	6:30 PM	N/A	N	No bats observed.	
P-715: LFTRC / Northwest Field	Comm Line Station 1	10/22/2019	B. Mendiola	N/A	Waning Crescent	95%	0	0	82	5:07 PM	6:34 PM	N/A	N	1 baby deer	

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
P-715: LFTRC / Northwest Field	Comm Line Station 2	10/22/2019	A. Loerzel	N/A	Waning Crescent	90%	0	0	83	5:57 PM	6:34 PM	N/A	N	No bats observed. Heard doves, deer, pigs, geckos	
P-715: LFTRC / Northwest Field	Comm Line Station 1	10/23/2019	B. Mendiola	N/A	Waning Crescent	75%	0	0	78	5:20 AM	7:30 AM	N/A	N	1 pig, 1 deer	
P-715: LFTRC / Northwest Field	Comm Line Station 2	10/23/2019	A. Loerzel	N/A	Waning Crescent	2000%	0	0	79	5:25 AM	7:20 AM	N/A	N	heard deer, pigs, geckos, doves, saw 2 pigs, No bats observed	
P-715: LFTRC / Northwest Field	Comm Line Station 4	10/23/2019	W. Winner	N/A	Waning Crescent	25%	0	0	79	5:25 AM	6:30 AM	N/A	N	No bats observed.	
P-735: MPMG / Northwest Field	Area 1, Station 1	3/18/2019	B. Antolin	N/A	Waxing Gibbous	1000%	1	0	82	4:45 PM	7:00 PM	N/A	N	No bats observed.	
P-735: MPMG / Northwest Field	Area 1, Station 3	3/18/2019	A. Loerzel	N/A	Waxing Gibbous	1500%	2	0	82	4:50 PM	6:50 PM	N/A	N	No bats observed.	
P-735: MPMG / Northwest Field	Area 1, Station 2	3/18/2019	L. Gutierrez	N/A	Waxing Gibbous	80%	2	0	87	4:52 PM	6:52 PM	N/A	N	No bats observed. Hear Francolins, Citris swallowtail (few), Blue spot using STUR for nectar (many), flies, geckos, rooster, 1 large deer.	
P-735: MPMG / Northwest Field	Area 1, Station 1	3/19/2019	B. Antolin	N/A	Waxing Gibbous	1000%	1	0	77	5:45 AM	8:00 AM	N/A	N	No bats observed.	
P-735: MPMG / Northwest Field	Area 1, Station 3	3/19/2019	A. Loerzel	N/A	Waxing Gibbous	70%	30	0	76	5:45 AM	7:45 AM	N/A	N	No bats observed.	
P-735: MPMG / Northwest Field	Area 1, Station 2	3/19/2019	L. Gutierrez	N/A	Waxing Gibbous	75%	2	0	76	5:45 AM	7:45 AM	N/A	N	No bats observed. Francolin, roster, cituns swallow tail (few) blu spot, slugs, 3 deer, 1 plover, contractor entered site at 0712.	
P-735: MPMG / Northwest Field	Area 2, Station 1	3/21/2019	C. Quinata	N/A	Full	25%	1	0	82	4:55 PM	6:55 PM	N/A	N	No bats observed. Checkens and multiple deer.	
P-735: MPMG / Northwest Field	Area 2, Station 2	3/21/2019	S. Tareyama	N/A	Full	30%	1	0	89	4:55 PM	6:55 PM	N/A	N	No bats observed. Froncolin calling, deer calling, 2 pigs near station 2, roosters, many blue spot and swallowtail butterflies, two baby deear (alone).	
P-735: MPMG / Northwest Field	Area 2, Station 3	3/21/2019	L. Gutierrez	N/A	Full	60%	2	0	82	4:55 PM	6:55 PM	N/A	N	No bats observed. Hear franoclins, roosters (2). Observed plovers (5), hen with chicks, deer (2), few swallowtail and blue spot butterflies.	
P-735: MPMG / Northwest Field	Area 2, Station 1	3/22/2019	C. Quinata	N/A	Full	25%	1	0	77	5:41 AM	7:41 AM	N/A	N	No bats observed. Pigs, francolins, and chickens.	

MARIANAS FRUIT BAT SURVEYS

Project / Site	Colony or landscape site	Date	Observer(s)	Tree Species Used for Roosting	Lunar Phase	Cloud Cover (25% intervals)	Wind Speed	Precipitation Code	Temperature (°F)	Start Time	End Time	Roost Count	Fruit Bat Observed (Y/N)	Notes	Grids
P-735: MPMG / Northwest Field	Area 2, Station 2	3/22/2019	S. Tareyama	N/A	Full	80%	2	0	75	5:41 AM	7:41 AM	N/A	N	No bats observed. Animal calls: deer, rooster, pigs, dogs, flover, francoling. Hear pack of dogs attachking pig.	
P-735: MPMG / Northwest Field	Area 2, Station 3	3/22/2019	L. Gutierrez	N/A	Full	80%	2	0	75	5:41 AM	7:41 AM	N/A	N	No bats observed. Hear deer, rooster, francolin, dog pack (in distance), plover (4), Philippine dove (2), few blue spot and swallowtail butterflies, francolin.	
P-735: MPMG / Northwest Field	Area 3, Station 1	4/16/2019	A. Loerzel	N/A	Waxing Gibbous	70%	3	0	83	4:55 PM	6:55 PM	N/A	N	No bats observed. 3 doves, 1 plover.	
P-735: MPMG / Northwest Field	Area 3, Station 2	4/16/2019	S. Tareyama	N/A	Waxing Gibbous	100%	2	0	83	4:55 PM	6:56 PM	N/A	N	No bats observed. 2 plovers, 1 Philippine dove. At 1730 gun shooting coming from north of station (stopped at 1800)	
P-735: MPMG / Northwest Field	Area 3, Station 1	4/17/2019	A. Loerzel	N/A	Waxing Gibbous	30%	3	0	77	5:21 AM	7:21 AM	N/A	N	No bats observed. 3 drongos, 1 francolin.	
P-735: MPMG / Northwest Field	Area 3, Station 2	4/17/2019	S. Tareyama	N/A	Waxing Gibbous	70%	2	0	75	5:21 AM	7:22 AM	N/A	N	No bats observed. Francolins calling, 1 pig, 1 deer, 1 plover.	
P-735: MPMG / Northwest Field	Area 3, Station 3	4/24/2019	B. Mendiola	N/A	Waning Gibbous	1500%	5	0	84	5:03 PM	7:03 PM	N/A	N	No bats observed. Deer barking.	
P-735: MPMG / Northwest Field	Area 3, Station 4	4/24/2019	W. Winner	N/A	Waning Gibbous	25%	3	0	84	5:11 PM	7:11 PM	N/A	N	No bats observed.	
P-735: MPMG / Northwest Field	Area 3, Station 5	4/24/2019	C. Quinata	N/A	Waning Gibbous	75%	4	0	82	5:12 PM	7:12 PM	N/A	N	No bats observed. Feral chickens.	
P-735: MPMG / Northwest Field	Area 3, Station 3	4/25/2019	B. Mendiola	N/A	Waning Gibbous	100%	3	4	78	5:31 AM	7:31 AM	N/A	N	No bats observed. Deer barking.	
P-735: MPMG / Northwest Field	Area 3, Station 4	4/25/2019	S. Tareyama	N/A	Waning Gibbous	90%	5	4	78	5:40 AM	7:40 AM	N/A	N	No bats observed. Heavy rain, fog passes over Area 3. One plover.	
P-735: MPMG / Northwest Field	Area 3, Station 5	4/25/2019	C. Quinata	N/A	Waning Gibbous	100%	5	4	78	5:40 AM	7:40 AM	N/A	N	No bats observed. Jungle chickens.	